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SAMSUNG ELECTRONICS

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Printed in Korea
AD68-00079A

SERVICE MANUAL

SCA30/SCA33/SCA35/SCA80/SCA85/VP-A30/VP-A31/VP-A33/VP-A34/VP-A800/VP-A850

SAMSUNG

8mm CAMCORDER

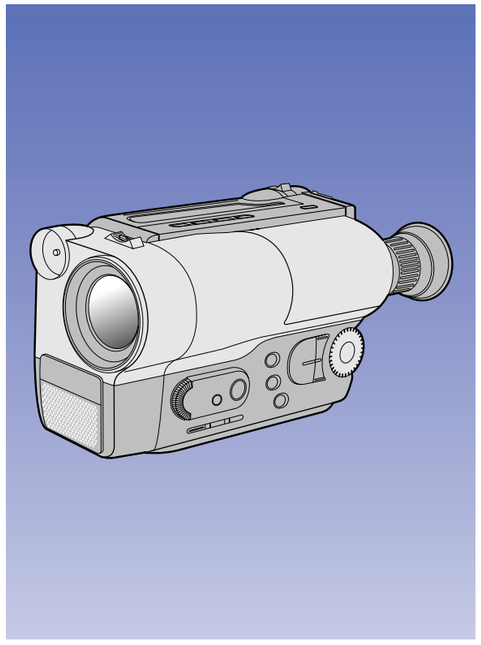
VP-A30/SCA30
VP-A31/SCA33
VP-A33/SCA35
VP-A34/SCA80
VP-A800/SCA85
VP-A850

8

SERVICE Manual

For mechanical disassembly and adjustment, refer to the “Mechanical Manual” (DE-6 ⟶ AD68-30200A).

8mm CAMCORDER



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1. Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including :
   control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children --might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1) :
   Warning : Do not use an isolation transformer during this test. Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including : antennas, handle
   brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

6. X-ray Limits :
   The picture tube is designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original.

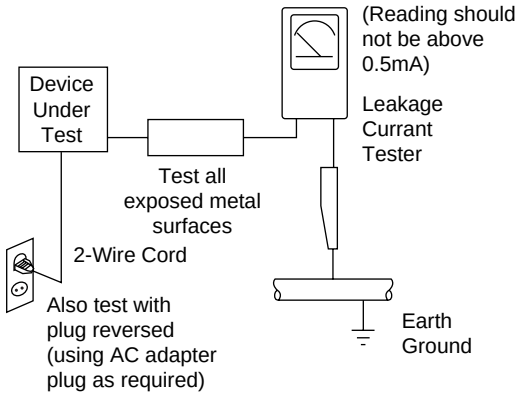

(Reading should not be above 0.5mA)
Device Under Test
Leakage Currant Tester
Test all exposed metal surfaces
2-Wire Cord
Also test with plug reversed (using AC adapter plug as required)
Earth Ground

Fig. 1 AC Leakage Test

7. Antenna Cold Check :
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong.
   Connect the other lead to the coaxial connector.

8. High Voltage Limit :
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.

   Heed the high voltage limits. These include the X-ray protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

9. Some semiconductor ("solid state") devices are easily damaged by static electricity.
   Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors.
   The following techniques will reduce the occurrence of component damage caused by static electricity.

10. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

11. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

12. Design Alteration Warning :
    Never alter or add to the mechanical or electrical design of this unit. Example : Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

13. Hot Chassis Warning :
    Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following : Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

14. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

15. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

16. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

17. Observe the original lead dress, especially near the following areas : Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

18. Picture Tube Implosion Warning :
    The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

19. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

20. Product Safety Notice :
    Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠ or ⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

2. Service Tips

2-1 How to replace the bulb

- ⌘ Remove the power source before replacing the bulb.
- ⌘ Use the JC6V-3W/G4 (100H) halogen lamp (maker : USHIO) to reduce the disk of fire.
- ⌘ If you have any trouble in replacing the bulb, contact you nearest authorized service center.

1. Disassemble the VIDEO LIGHT unit from camcorder with a small screwdriver (see figure).

2. Pull out the VIDEO LIGHT unit carefully. Take care of the cable which connects the LIGHT and camcorder.

3. Disassemble the cover carefully from the LIGHT unit.
   Be careful. The cover is easily broken.

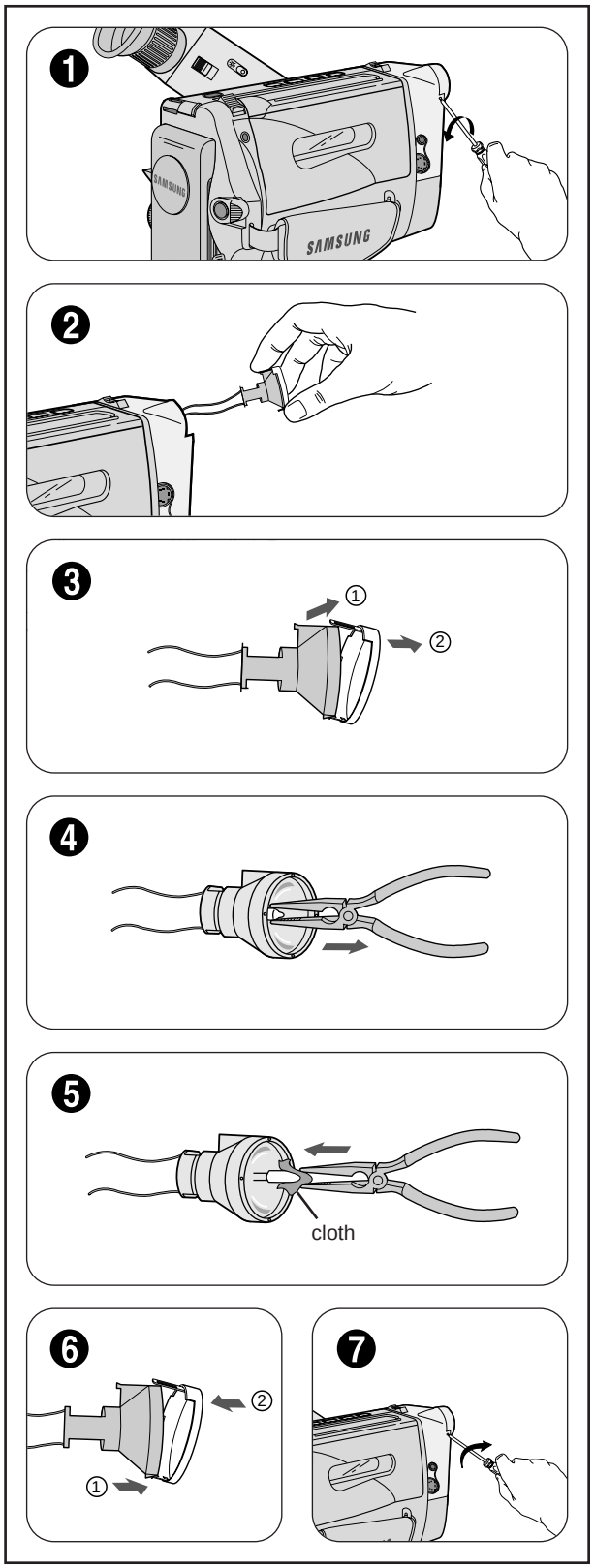
4. Pull out the bulb with flat pliers.
   The bulb is easily broken. Do not apply excessive force when you use flat pliers.

5. Replace the bulb.
   Replace the bulb using flat pliers and a dry cloth.
   The dry cloth is used to prevent finger prints.
   Make sure that the bulb is exactly in place to reduce the risk of fire.

6. Assemble the cover carefully to the LIGHT unit (see figure).

7. Assemble the LIGHT unit to camcorder with a small screwdriver (see figure).

Note : To prevent the bulb from being smudged with finger prints, handle it with a dry cloth, etc. If the bulb is smudged, wipe it completely.



3. Product Specifications and Comparison Chart

3-1 NTSC Model (SCA30/SCA33/SCA35/SCA80/SCA85)

System	SCA30/SCA33/SCA35/SCA80/SCA85
Recording system	Video: 2 rotary heads helical scanning FM Audio: FM monaural system (SCA80/SCA85: FM stereo)
Video signal	NTSC color, EIA standard
Usable cassette	SCA30/SCA33/SCA35: 8 mm SCA80/SCA85: Hi8 or 8 mm
Tape speed	SP: approx. 14.345 mm/sec
Speed mode	Record: SP only Playback: SP and LP
Recording time	P6-120: 120 min
FF or REW time	P6-120: approx. 6.5 min.
Image device	CCD (Charge Coupled Device)
Optical zoom ratio	SCA30/SCA33: 16X SCA35/SCA80/SCA85: 22X
Focal length: f	SCA30/SCA33: 3.9~62.6 mm SCA35/SCA80/SCA85: 4.0~88.0 mm
F	SCA30/SCA33: 1.4 SCA35/SCA80/SCA85: 1.6
Filter diameter	46 mm
Focus system	Inner
Macro	Auto wide macro
Min. Illumination	0.3 lux (visible)
Connectors	
Video out	Mini jack, 1 Vp-p, 75 ohms
	Unbalanced
Audio out	Mini jack, 7.7 dBs, Monaural (SCA80/SCA85: stereo)
	imp.: less than 2.2 kohms
External mic	Monaural (SCA80/SCA85: stereo), Ø3.5
General	
Power requirement	6.0~7.2 V DC
Power consumption	SCA30/SCA31: 3.9 W SCA33: 4.1 W
	SCA35: 4.2 W SCA80: 4.7 W
	SCA85: 4.8 W
Built-in mic	Condenser mic, omni-directional
Operating temperature	0°C to 40°C (32°F to 104°F)
Dimensions (W x H x D)	SCA35/SCA80/SCA85 : 105.7 x 104.5 x 210 (41.6 x 41.1 x 82.7 inch)
	SCA30/SCA33 : 105.7 x 104.5 x 201 (41.6 x 41.1 x 79.1 inch)
Weight	SCA35/SCA80/SCA85: 760 g (1.672 lbs)
	SCA30/SCA33: 740g (1.628 lbs)

3-2 PAL Model (VP-A30/VP-A31/VP-A33/VP-A34/VP-A800/VP-A850

System	VP-A30/VP-A31/VP-A33/VP-A34/VP-A800/VP-A850
Recording system	Video: 2 rotary heads helical scanning FM Audio: FM monaural system (VP-A800/A850: FM stereo)
Video signal	PAL colour, CCIR standard
Usable cassette	VP-A30/VP-A31/VP-A33/VP-A34: 8 mm VP-A800/VP-A850: Hi8 or 8 mm
Tape speed	SP: approx. 20.051 mm/sec
Speed mode	Record: SP only Playback: SP and LP
Recording time	P5-90: 90 min.
FF or REW time	P5-90: approx. 8 min.
Image device	CCD (Charge Coupled Device)
Optical zoom ratio	VP-A30/VP-A31/VP-A33: 16x VP-A34/VP-A800/VP-A850:22x
Focal length: f	VP-A30/VP-A31/VP-A33: 3.9~62.6 mm VP-A34/VP-A800/VP-A850: 4.0~88.0 mm
F	VP-A30/VP-A31/VP-A33: 1.4 VP-A34/VP-A800/VP-A850: 1.6
Filter diameter	46 mm
Focus system	Inner
Macro	Auto wide macro
Min. Illumination	0.3 lux (visible)
Connectors	
Video out	Mini jack, 1 Vp-p, 75 ohms
	Unbalanced
Audio out	Mini jack, 7.7 dBs, Monaural (VP-A800/VP-A850: stereo)
	imp.: less than 2.2 kohms
External mic	Monaural (VP-A800/VP-A850: stereo), Ø3.5
General	
Power requirement	6.0~7.2 V DC
Power consumption	VP-A30/VP-A31: 3.9 W VP-A33: 4.2 W
	VP-A34: 4 W VP-A800: 4.5W
	VP-A850: 4.6W
Built-in mic	Condenser mic, omni-directional
Operating temperature	0°C to 40°C (32°F to 104°F)
Dimension (W x H x D)	VP-A34/VP-A800/VP-A850: 105.7 x 104.5 x 210
	VP-A30/VP-A31/VP-A33: 105.7 x 104.5 x 201
Weight	VP-A34/VP-A800/VP-A850: 760 g
	VP-A30/VP-A31/VP-A33: 740 g

⌘ The technical specifications and design may be changed without notice.

3-3 Comparison Chart

Model / Features	PAL					
	VP-A30	VP-A31	VP-A33	VP-A34	VP-A800	VP-A850
V/Light	X	X	X	O	X	O
BLC	O	O	O	O	O	O
EIS	X	X	X	O	X	O
WDR	X	O	O	O	O	O
Remocon	X	O	O	O	O	O
Battery	Ni-cd	Ni-MH	Ni-MH	Ni-MH	Ni-MH	Ni-MH
Audio	Mono	Mono	Mono	Mono	Stereo	Stereo
V/Finder	EVF	EVF	CVF	EVF	EVF	EVF
P.Title	O	O	O	O	O	O
Focus System	Auto	Auto	Auto	Auto	Auto	Auto
Z/Ratio	x16 (x320)	x16 (x320)	x16 (x320)	x22 (x440)	x22 (x440)	x22 (x440)
CCD	320 K	320 K	320 K	320 K	470 K	570 K
Format	8 mm	8 mm	8 mm	8 mm	Hi8	Hi8

Model / Features	NTSC				
	SCA30	SCA33	SCA35	SCA80	SCA85
V/Light	X	X	O	X	O
BLC	O	O	O	O	O
EIS	X	X	O	X	O
WDR	X	O	O	O	O
Remocon	X	O	O	O	O
Battery	Ni-cd	Ni-MH	Ni-MH	Ni-MH	Ni-MH
Audio	Mono	Mono	Mono	Stereo	Stereo
V/Finder	EVF	CVF	CVF	CVF	CVF
P.Title	O	O	O	O	O
Focus System	Auto	Auto	Auto	Auto	Auto
Z/Ratio	x16 (x320)	x16 (x320)	x22 (x440)	x22 (x440)	x22 (x440)
CCD	270 K	270 K	270 K	470 K	470 K
Format	8 mm	8 mm	8 mm	Hi8	Hi8

4. Disassembly and Reassembly

4-1 Cabinet Disassembly

4-1-1 Ass'y Cover Housing Removal

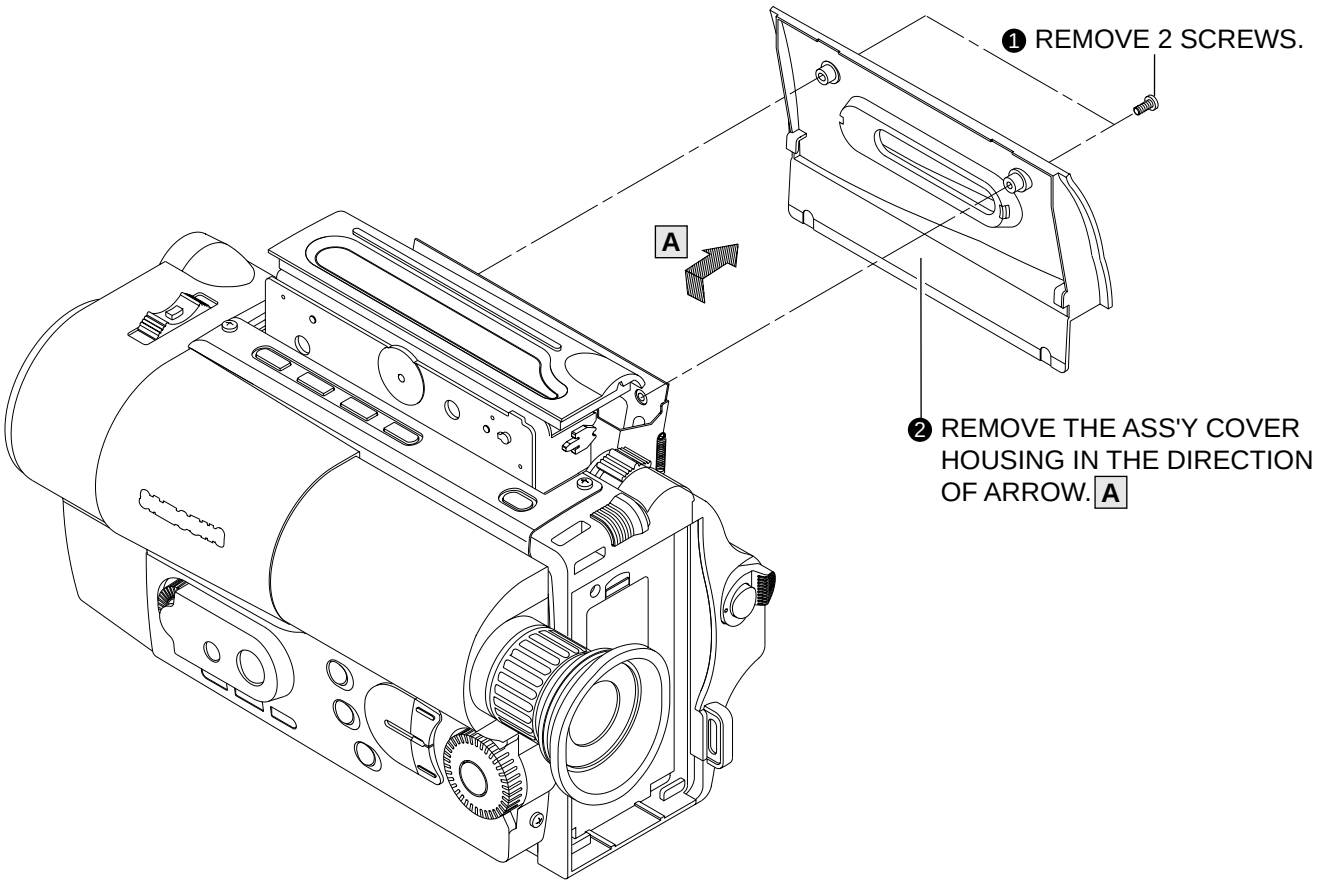


Fig. 4-1 Ass'y Cover Housing Removal

4-1-2 Ass'y Case Top Removal

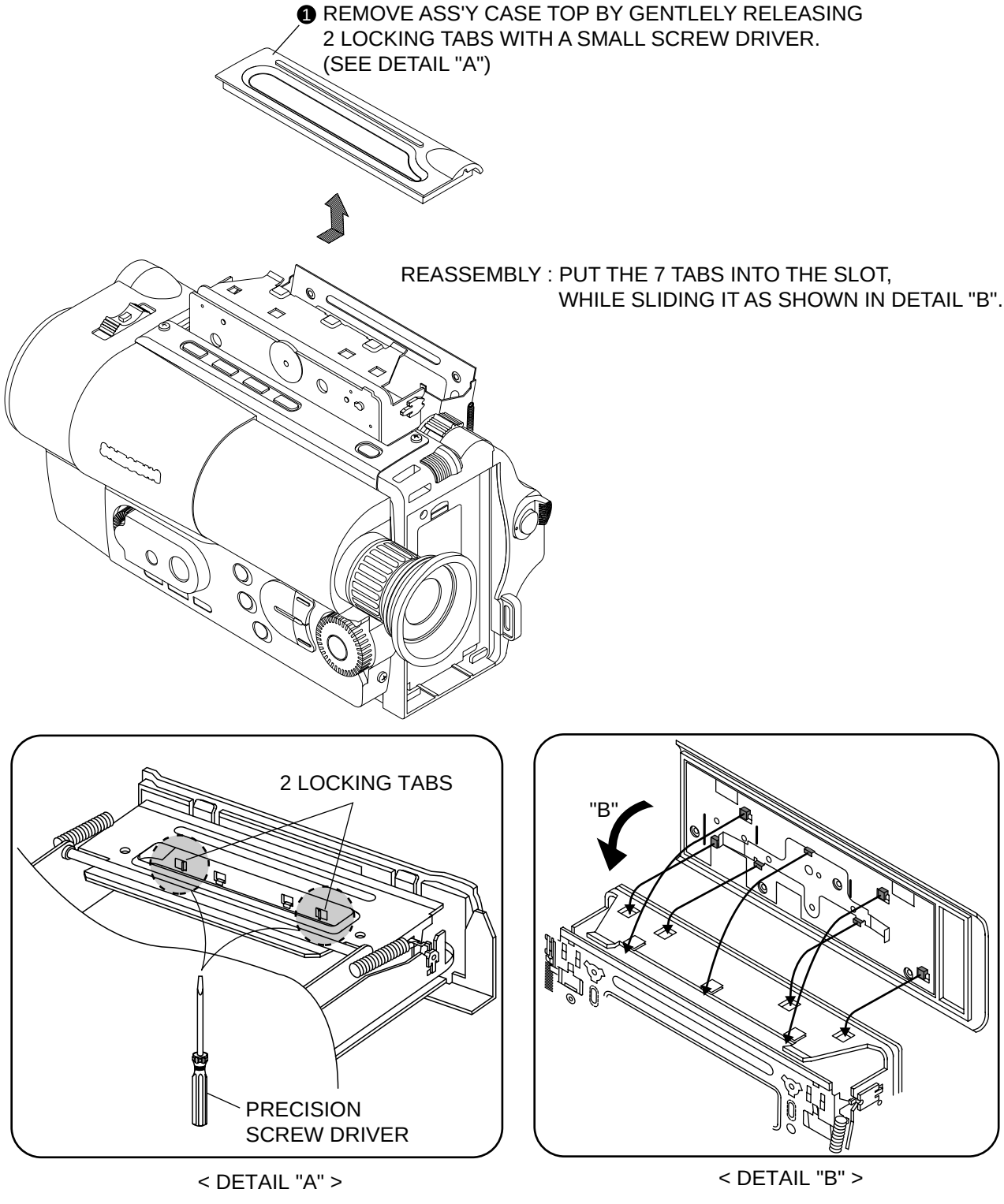

❶ REMOVE ASS'Y CASE TOP BY GENTLELY RELEASING
2 LOCKING TABS WITH A SMALL SCREW DRIVER.
(SEE DETAIL "A")
REASSEMBLY : PUT THE 7 TABS INTO THE SLOT,
WHILE SLIDING IT AS SHOWN IN DETAIL "B".
2 LOCKING TABS
PRECISION
SCREW DRIVER
"B"
< DETAIL "A" >
< DETAIL "B" >

Fig. 4-2 Ass'y Case Top Removal

4-1-3 Ass'y Front Removal

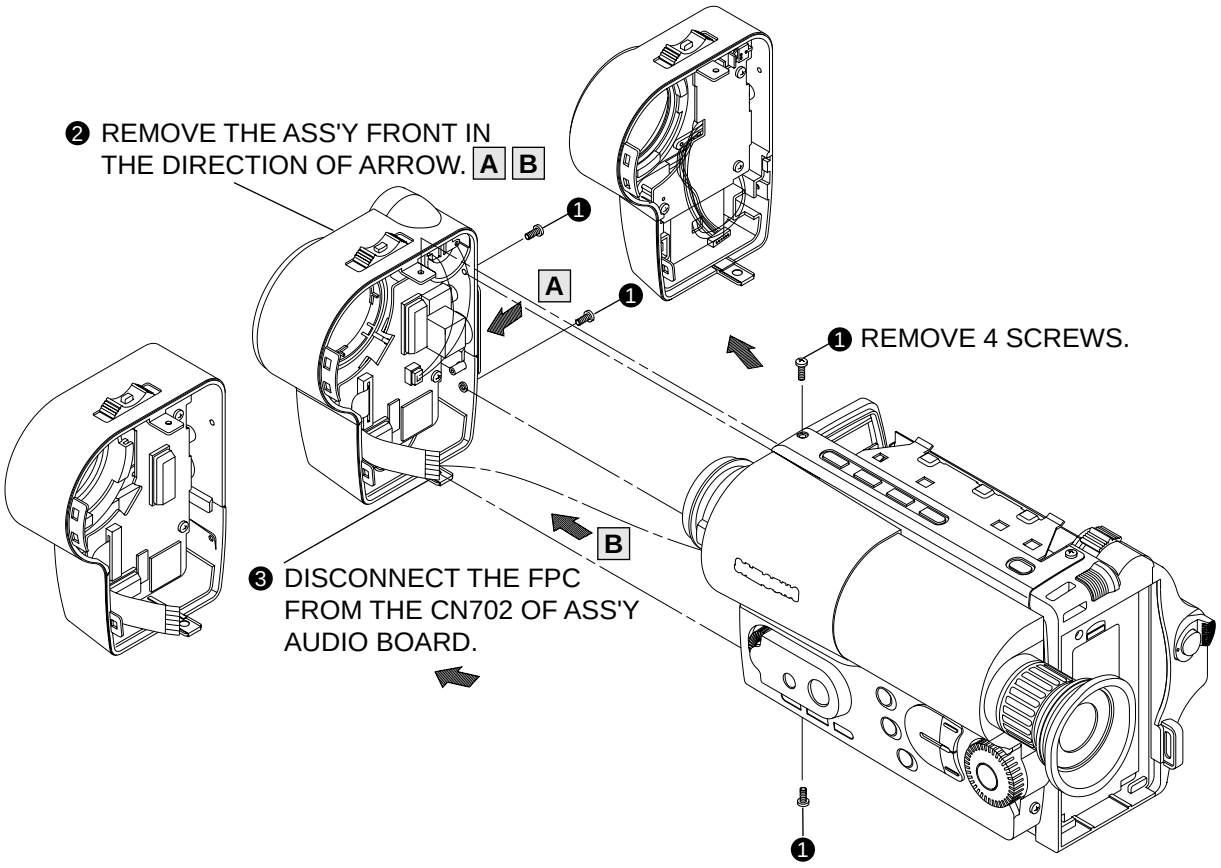

❷ REMOVE THE ASS'Y FRONT IN THE DIRECTION OF ARROW. A B
❶
A
❶
❶ REMOVE 4 SCREWS.
B
❸ DISCONNECT THE FPC FROM THE CN702 OF ASS'Y AUDIO BOARD.
❶

Fig. 4-3 Ass'y Front Removal

4-1-4 Ass'y Case Right Removal

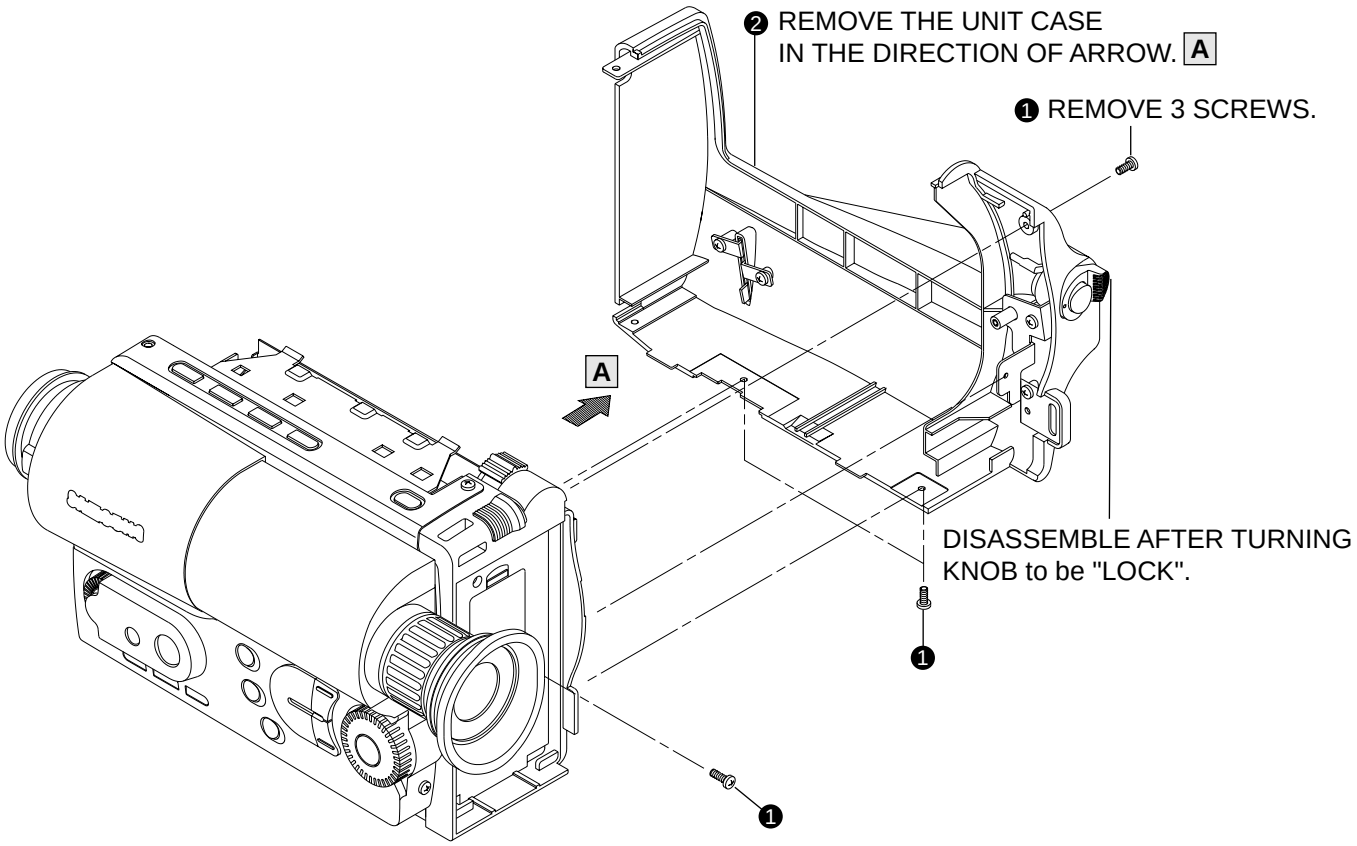


Fig. 4-4 Ass'y Case Right Removal

4-1-5 Ass'y Case Left Removal

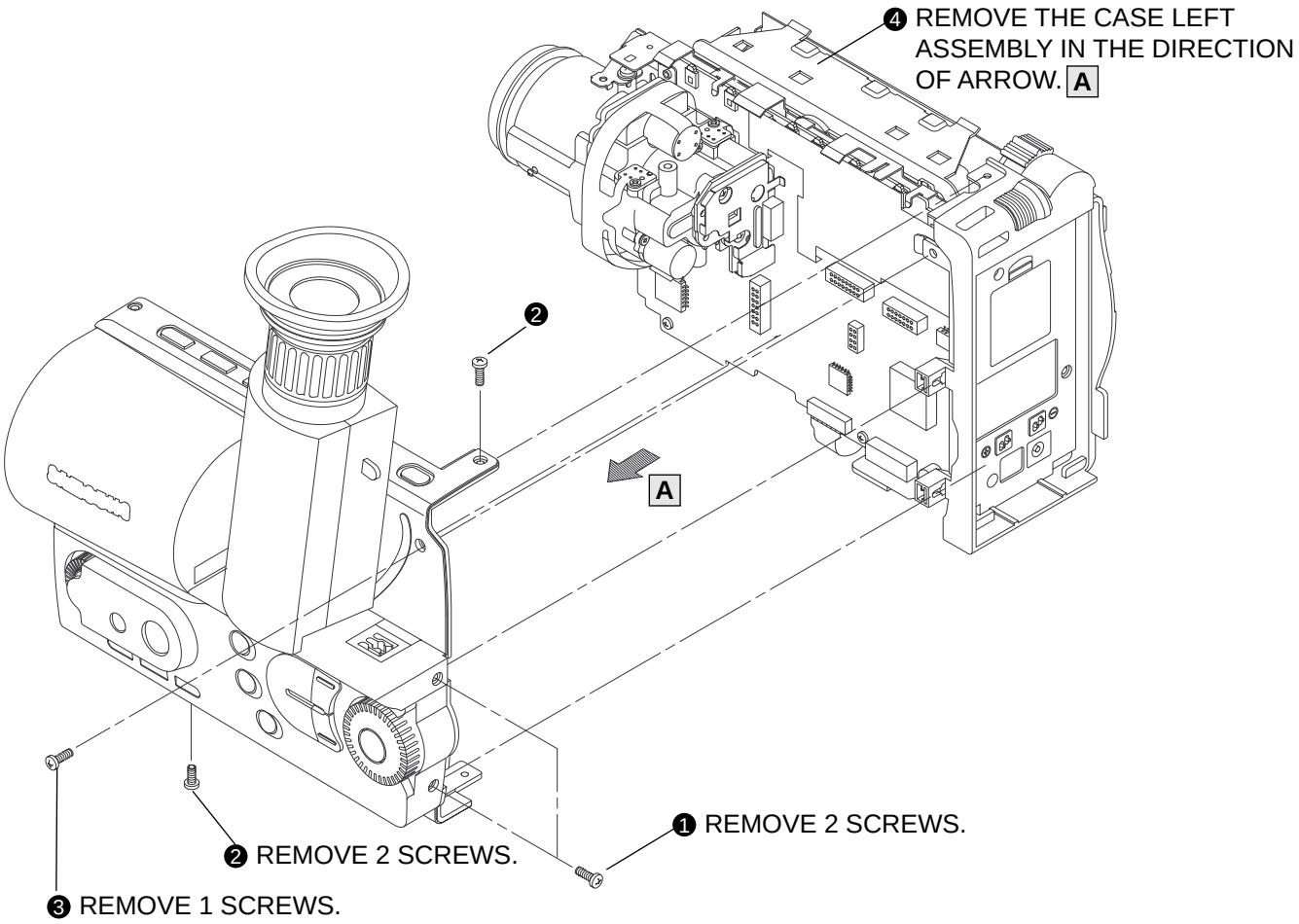


Fig. 4-5 Ass'y Case Left Removal

4-1-6 Ass'y EVF/CVF Removal

Caution of assembling (CN604 of the CVF models) :
Insert the cable to the left most side of CN604 (Pin no.1 side)

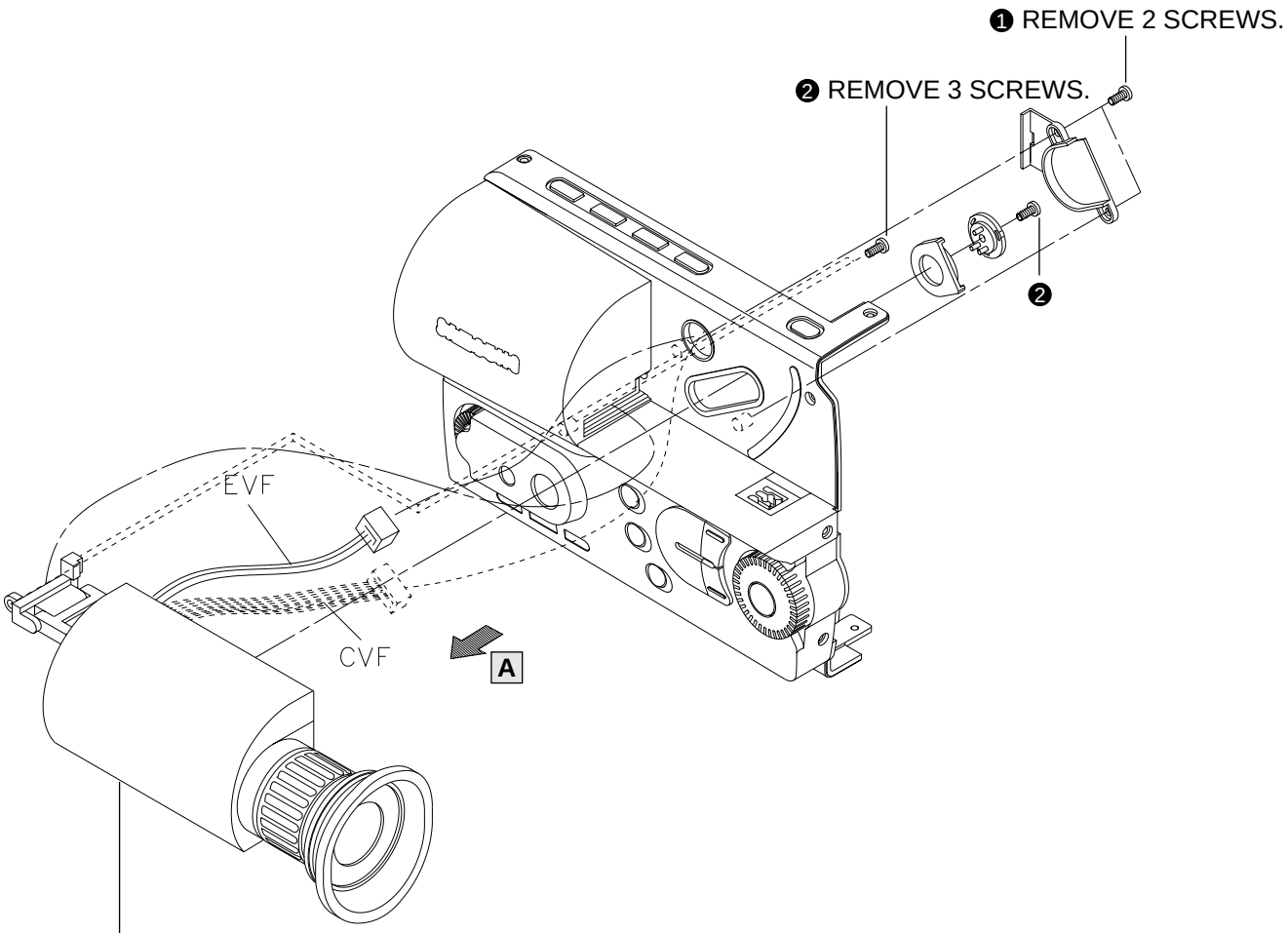


Fig. 4-6 Ass'y EVF/CVF Removal

4-1-7 Ass'y Function Board Removal

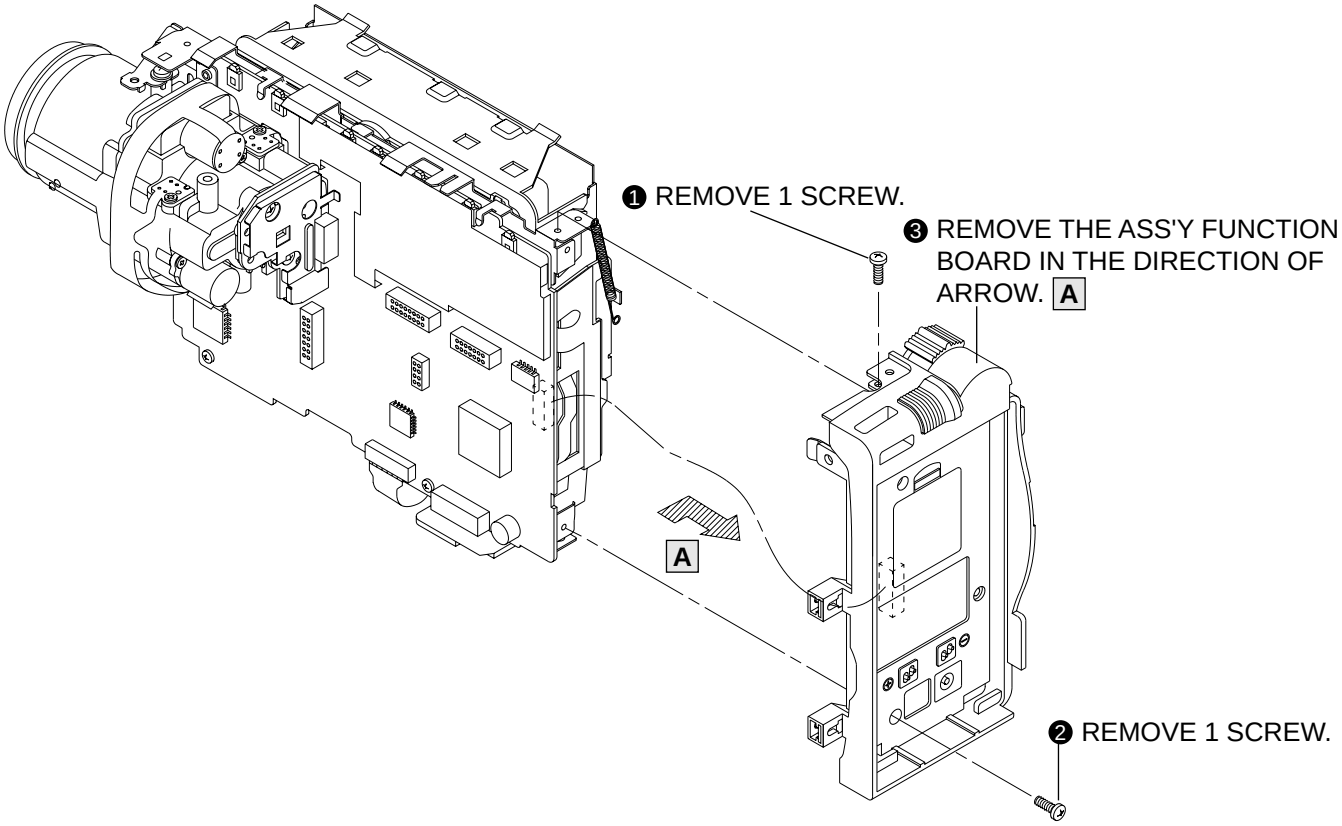


Fig. 4-7 Ass'y Case Rear Removal

4-1-8 Ass'y 8mm Deck Removal

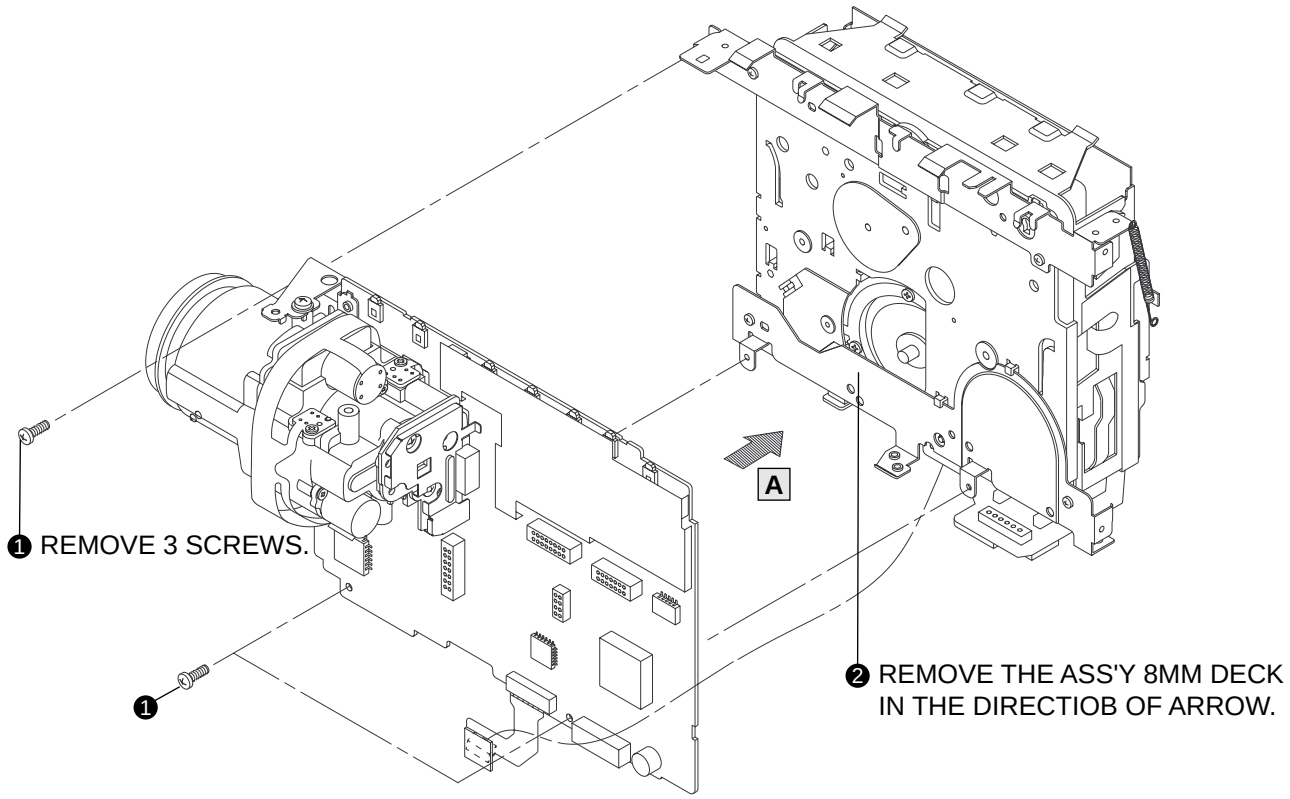


Fig. 4-8 Ass'y 8mm Deck Removal

4-1-9 Ass'y Camera Removal

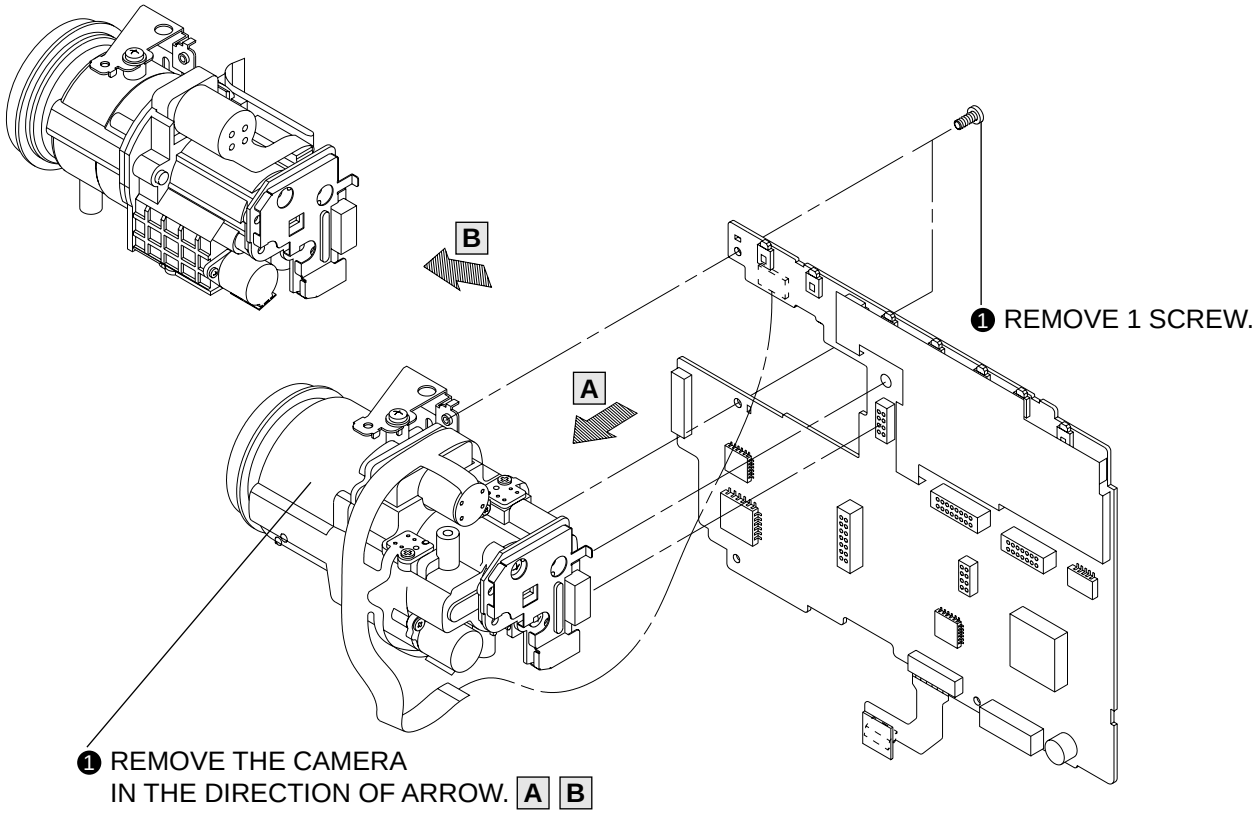


Fig. 4-9 Ass'y Camera Removal

4-2 Circuit Boards Location

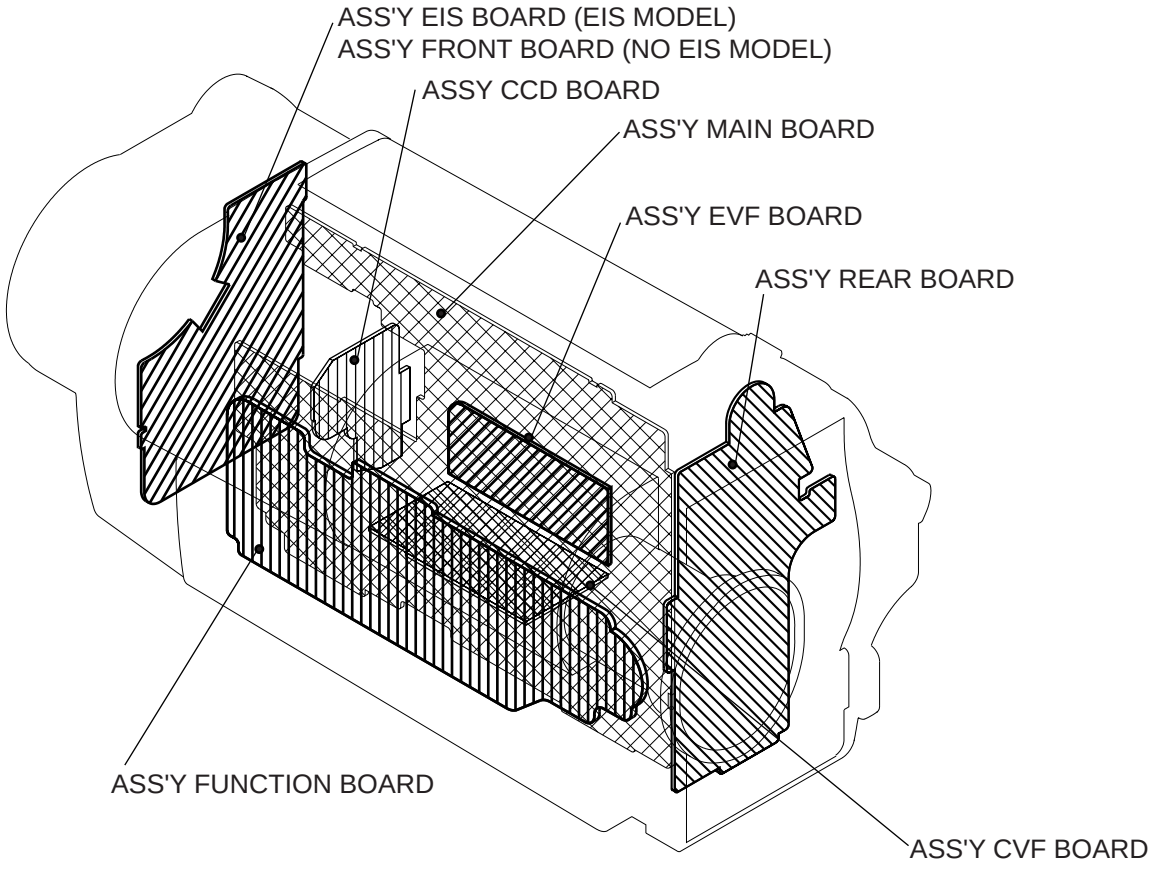
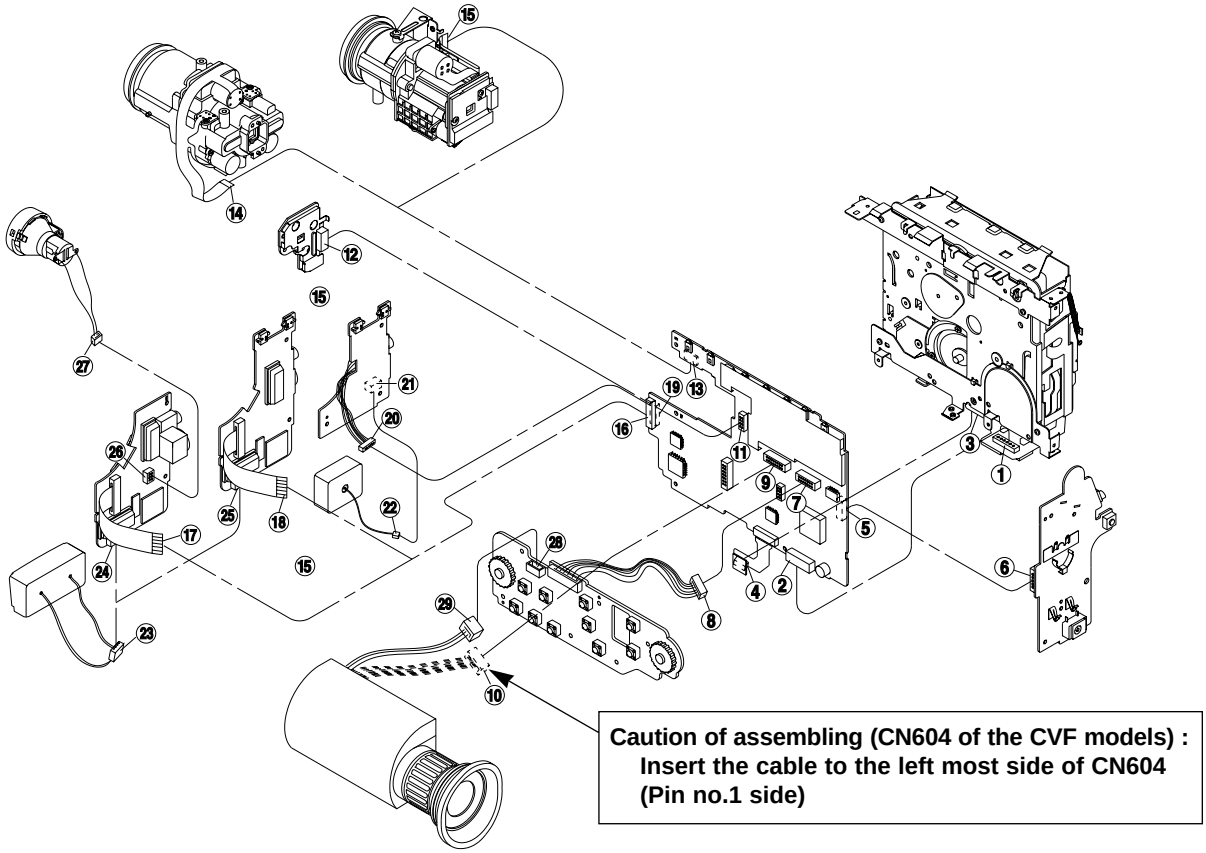


Fig. 4-10 Circuit Boards Location

4-3 Connector Diagrams



NO.	CONNECTOR	DIRECTION	CONNECTOR	NO.
①	CN51	DECK ⟷MAIN PCB	CN501	②
③	—	DECK ⟷MAIN PCB	CN52	④
⑤	CN601	MAIN PCB ⟷REAR PCB	CN771	⑥
⑦	CN603	MAIN PCB ⟷FUNCTION PCB	—	⑧
⑨	CN604	MAIN PCB ⟷CVF	—	⑩
⑪	CNP01	MAIN PCB ⟷CCD PCB	CNC01	⑫
⑬	CNP03	MAIN PCB ⟷LENS FPC	—	⑭
⑬	CNP02	MAIN PCB ⟷LENS FPC	—	⑮
⑯	CNP801	MAIN PCB ⟷FRONT FFC	CN894	⑰
⑯	CN801	MAIN PCB ⟷FRONT FFC	CN894	⑱
⑲	CN802	MAIN PCB ⟷FRONT PCB	CN890	⑳
㉑	CN891	FRONT PCB ⟷MIC ASS'Y	—	㉒
㉓	CN893	FRONT PCB ⟷MIC ASS'Y	—	㉔
㉕	CN893	FRONT PCB ⟷MIC ASS'Y	—	㉕
㉖	CN895	FRONT PCB ⟷LIGHT ASS'Y	—	㉗
㉘	CN472	FUNCTION PCB ⟷EVF	—	㉙

Fig. 4-11 Connector Diagrams

5. Alignment and Adjustment

5-1. Mechanism Alignment

- Refer to mechanical manual “DE-6 (AD68-30200A)”for the adjustment and checks of mechanism section.
- The location of test point (See Fig.1)

Test Point:
PB RF - Pin 11 of CN605
Head Switching Trigger - Pin 9 of CN605

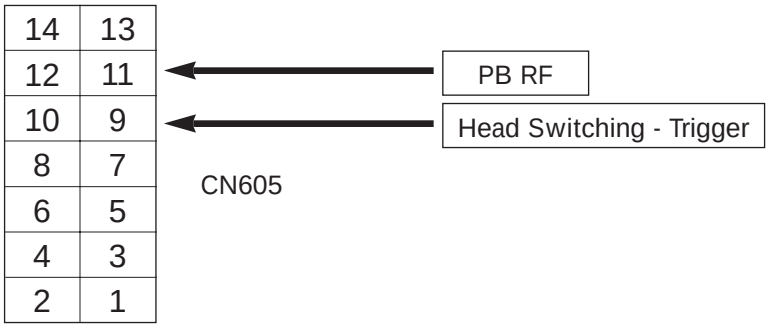


Fig. 1 Test point

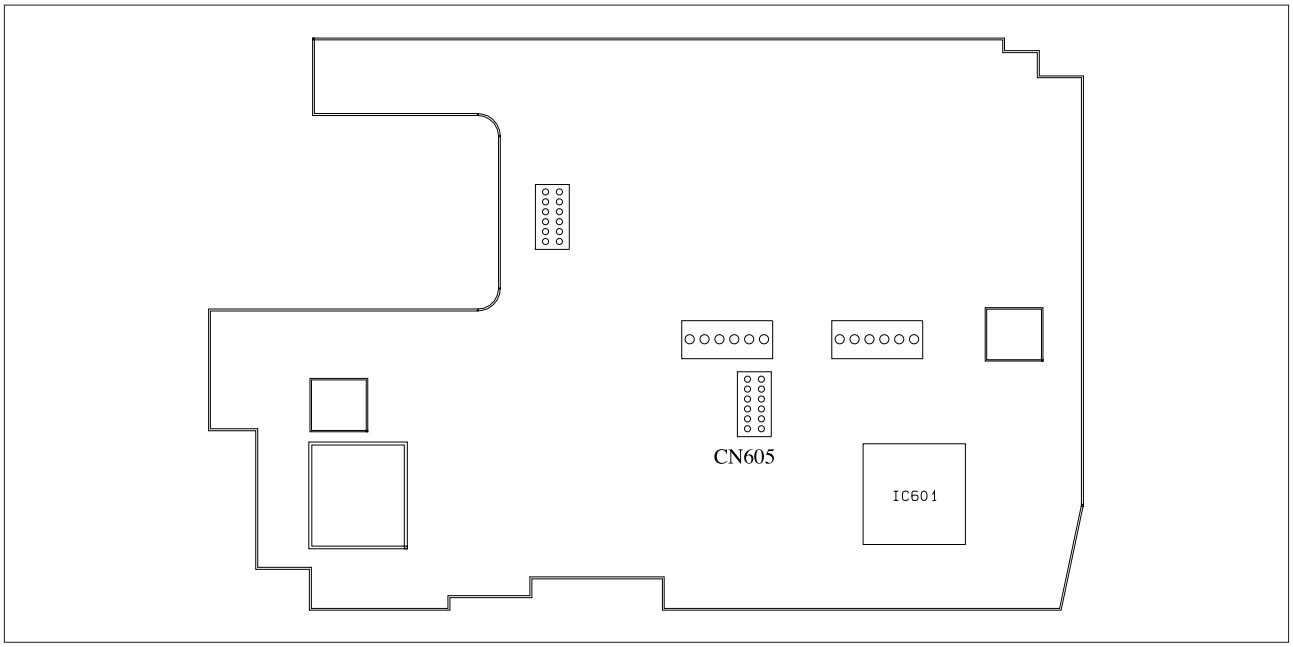
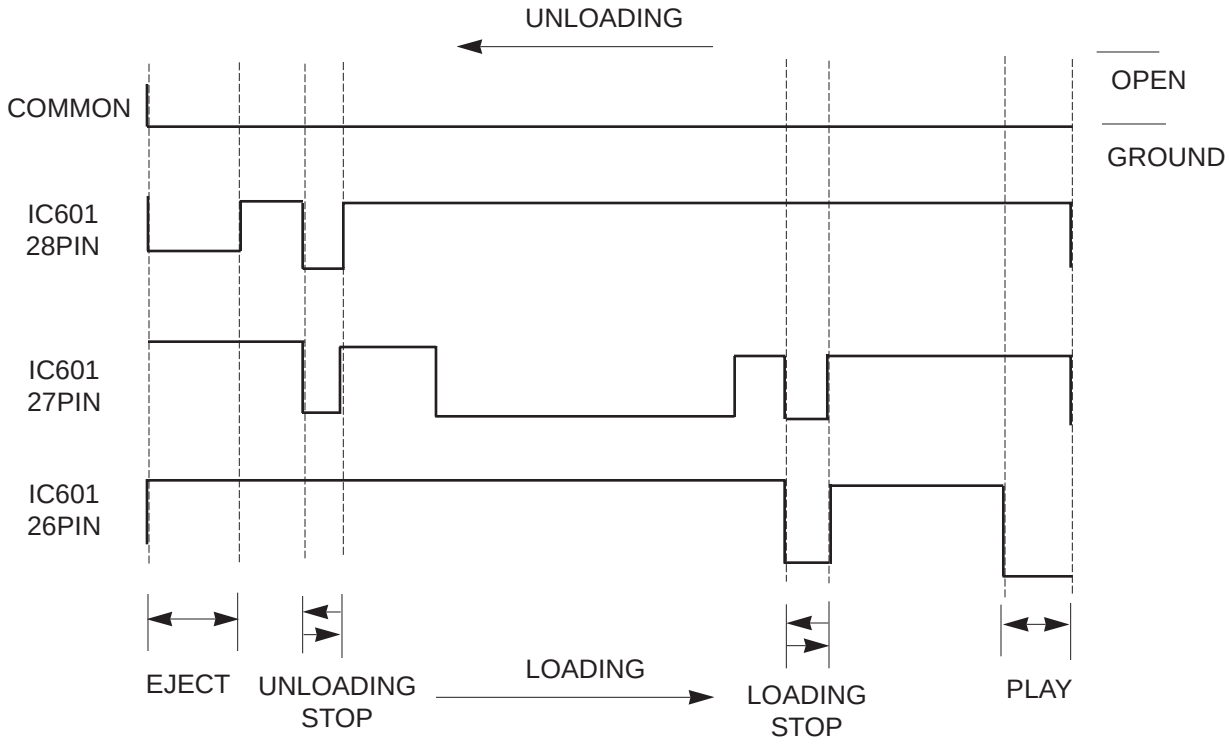


Fig. 2 Test location of test point



POSITION	IC601 28PIN	IC601 27PIN	IC601 26PIN	ACTION MODE
EJECT	L	H	H	EJECT
UNLOADING STOP	L	L	H	UNLOADING STOP
LOADING STOP	H	L	L	LOADING STOP
PB	H	H	L	PLAY, FF, Z/RTN, STILL....

5-2 Camera Section Adjustment

Note :

1. This system has

   1) EEPROM to store the confirmed adjustment data.
   2) DSP (Digital Signal Process ; ICP01 - Main board) chip to process the signal of camera parts.
   3) One test point for the frequency adjustment of DSP main clock (P. CLK).
   4) The special mode for camera adjustment using the function keys on the left case.

2. Keep in mind

   1) All adjustment steps should performed using the remote controller.

5-2-1 Preparations

1. Equipment to be used

1) DC Power supply
2) Oscilloscope
3) Frequency counter
4) Vectorscope
5) Waveform monitor
6) Color monitor or TV
7) Various charts
   - Color bar chart
   - Gray-scale chart, etc...

2. Composition of camera P.C.Boards

1) Main PCB 2) CCD PCB
3) CVF /EVF PCB

3. Adjustment preparations

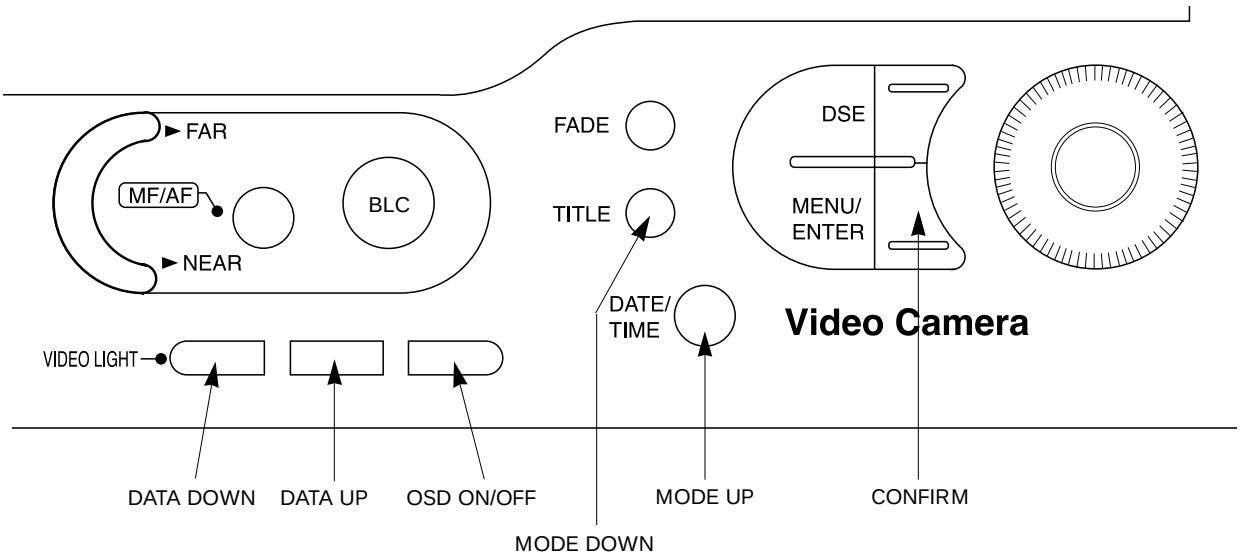
1) The function keys on the left case is used as a camera adjust tool.
2) Press the confirm button when each manual adjustment step is completed to write the adjustment data to the EEPROM.
3) After each adjustment step is completed, OSD shows “OK!”.
4) To cancel the adjustment mode, remove the power source.

4. The function keys on the left case

The following is a chart explaining the use of each button :

Using Button	Adjustment
MENU/ENTER (CONFIRM)	Data store after finishing adjustment by DATA UP/DOWN button.
Z/RTN (DATA DOWN) C/RESET (DATA UP)	When change data value of adjust state.
TITLE (MODE UP) DATE/TIME (MODE DOWN)	Mode change.
M/F Ring dial (FAR/NEAR)	Manual focus adjustment.
ZOOM TELE/ZOOM WIDE	Move the zoom position of lens.

The function keys left case is required to adjust the camera section.



⌘ ZOOM LEVER : ZOOM TELE/WIDE

Note : In service adjustment mode, button names are different from those in customer camera function control mode. EX) MENU/ENTER button is the same as confirm.

5. How to get into service "**ADJUST**" mode

STEP 1

1. Remove the lithium battery from the camcorder.
2. Connect the power source (battery/ DC cable).
3. Eject the tape if it is in the unit.
4. Set the power switch of the camcorder to "CAMERA" position.
5. Set OSD on state.

STEP 2

1. Press and hold the "EJECT" button and "STOP" button on the camcorder at the same time for more than 5 seconds. Then unit goes into service mode.

STEP 3

On screen display show "ODF. T.INI XX XX" CAMERA ADJUSTMENT mode has successfully been activated.

Note : When "XX XX" is shown in service adjustment procedures, this indicates variable values.

"CAMERA ADJUST MODE, EEPROM ADDRESS SEQUENCE & DATA OF PAGE 0"

ADDR	OSD-DISPLAY	CONTENT
0DF	T.INI	TABLE INITIAL
0CD	HALL	HALL AUTO ADJUST
0CE	IRIS	IRIS AUTO ADJUST
0CF	AWB	AWB AUTO ADJUST
0D0	LENS	LENS AUTO ADJUST(WARNING! DON'T USE WITHOUT AN INFINITE COLLIMATOR)
0D6	ZVR.C	ZOOM LEVER CENTER DATA CHECKING
0DB	AGCM	AGC AUTO ADJUST (NORMALLY NO USED)
0DE	3MLENS	3M LENS AUTO ADJUST AT SERVICE FIELD (DISTANCE: 3M +/- 1Cm)
	NO-OSD-DISPLAY	

ADDR	MODEL/DATA				CONTENT (EEPROM DATA PAGE 0)							
	PAL		NTSC									
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN							
ADDR	DATA				D7	D6	D5	D4	D3	D2	D1	D0
001	50	50	50	50	OPTION	AGC TARGET-	0'=FIX	WDR='1'	PASTEL COLOR	KEY / RING	CAN / SECREM	EMBOSS COLOR
002	00	00	00	00	@IRIS CONTROL-LOW							
003	08	08	08	08	@IRIS CONTROL-HIGH							
004	F0	F0	F0	F0	* AWB-HSS MODE * AWB STOP HALL							
005	80	80	80	80	@P.CLK PWM-HIGH							
006	30	30	30	30	AGC TARGET DOWN VALUE AT 001H D6='1' OPTION							
007	00	00	00	00	AGC MAX, DARK SLICE-B CONTROL							
008	08	08	08	08	@UPD16835 INIT 4th							
009	66	66	66	66	@UPD16835 INIT 6th							
00A	66	66	66	66	@UPD16835 INIT 7th							
00B	00	00	00	00	@UPD16835 standard data current set A(4th.7) : D0, current set B(7th.7) : D1							
00C	03	03	03	03	@CDS F-REG(f1,f0) CAM : BIT0:f0,BIT1:f1							
00D	A0	A0	A0	A0	**changed by AUTO HALL ADJ(0CD)**	"@CDS F-REG(f9,f2) CAM ;PGA GAIN -HIGH(0.00dB~ 30.0dB)"						
00E	60	60	60	60	**changed by AUTO HALL ADJ(0CD)**	"@CDS G-REG CAM ;DAC1(HALL REFERENCE CONTROL;0V~3.0V);"						
00F	3A	3A	3A	3A	"@CDS H-REG CAM ;DAC2(HALL GAIN CONTROL;0V~3.0V); "							
010	87	87	87	87	"@CDS E-R(e1,e0),J-R(j0),M-R;D0:e0,D1:e1,D2:j0(CAM),D4:e0,D5:e1,D6:j0(VCR),D7:cds-rev='1'"							
011	77	77	7B	80	"@CDS F-REG(f9,f2) VCR ;PGA GAIN -HIGH(0.00dB~ 10.0dB)"							
012	00	00	00	00	@WDR REGISTER[7,0] *AEINSEL=D7,AELPFSEL=D6,X[5:0]							
013	80	80	80	80	@WDR REGISTER[15,8] *AECLIP_TH[7:0]							
014	00	00	00	00	@WDR REGISTER[23,16] *AEL_TH[7:0]							
015	FF	FF	FF	FF	@WDR REGISTER[31,24] *AEH_TH[7:0]							
016	8B	8B	76	76	@WDR REGISTER[39,32] *AEW2VE[7:0]							
017	24	24	24	24	@WDR REGISTER[47,40] *AEW2VS[7:0]							
018	ED	ED	F1	F1	@WDR REGISTER[55,48] *AEW2HE[7:0]							
019	07	07	13	13	@WDR REGISTER[63,56] *AEW2HS[7:0]							
01A	81	81	6E	6E	@WDR REGISTER[71,64] *AEW1VE[7:0]							
01B	26	26	20	20	@WDR REGISTER[79,72] *AEW1VS[7:0]							

	NO-OSD-DISPLAY											
ADDR	**MODEL/DATA**				**CONTENT (EEPROM DATA PAGE 0)**							
	PAL		NTSC									
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN							
ADDR	DATA				D7	D6	D5	D4	D3	D2	D1	D0
01C	B4	B4	C1	C1	@WDR REGISTER[87,80]	*AEW1HE[7:0]						
01D	32	32	43	43	@WDR REGISTER[95,88]	*AEW1HS[7:0]						
01E	00	00	00	00	@WDR REGISTER[103,96]	*SP_ADJ	START POINT ADJUSTMENT					
01F	FF	FF	FF	FF	@WDR REGISTER[111,104]	*TEST_ADDR[7:0]						
020	00	00	00	00	@WDR REGISTER[119,112]	*TEST_CNTL[7:0]						
021	88	88	88	88	@WDR REGISTER[127,120]	*ALPF_TH3[7:4],ALPF_TH4[3:0]						
022	88	88	88	88	@WDR REGISTER[135,128]	*ALPF_TH1[7:4],ALPF_TH2[3:0]						
023	2A	2A	2A	2A	@WDR REGISTER[143,136]	*ALPF_WTSFT[7:5],ALPF_THSFT[4:3],SHPF_SFT[2:0]						
024	99	99	99	99	@WDR REGISTER[151,144]	*COLOR127[7:4],COLOR55[3:0]						
025	99	99	99	99	@WDR REGISTER[159,152]	*COLOR31[7:4],COLOR63[3:0]						
026	49	49	49	49	@WDR REGISTER[167,160]	*CH_SEL[7:4],COLOR12[3:0]						
027	F0	F0	F0	F0	@WDR REGISTER[175,168]	*BACK_SP[7:4].BACK_WT[3:0]						
028	44	44	44	44	@WDR REGISTER[183,176]	*LUT_TAB[7:5],LUT_HPF_SFT[4:2],X[1:0]						
029	E0	E0	E0	E0	@WDR REGISTER[191,184]	*LTIC[7:0]						
02A	C0	C0	C0	C0	@WDR REGISTER[199,192]	*LIT_ON,LSI_ON,HLOG_ON,X[4:0]						
02B	68	68	68	68	@WDR REGISTER[207,200]	*HIST_WT	HISTOGRAM WEIGHT					
02C	18	18	18	18	@WDR REGISTER[215,208]	*LTU-GAIN[7:0]						
02D	FF	FF	FF	FF	@WDR REGISTER[223,216]	*LP-V[7:0]	LENGTH OF VERTICAL ACTIVE AREA					
02E	28	28	28	28	@WDR REGISTER[231,224]	*SP-V[7:0]	START OF VERTICAL ACTIVE AREA					
02F	B2	B2	B2	B2	@WDR REGISTER[239,232]	*LP-H[7:0]	LENGTH OF HORIZONTAL ACTIVE AREA					
030	2E	2E	2E	2E	@WDR REGISTER[247,240]	*SP-H[7:0}	START OF HORIZONTAL ACTIVE AREA					
031	00	00	00	00	@WDR REGISTER[255,248]	*GR_MODE[7:0]	WDR COMMAND'00=WDR OFF, C0=WDR ON'					
032	~03F	~03F	~03F	~03F	NO USED							
040	10	18	18	18	* AWB- STABLE MODE THRESHOLD							
041	~048	~048	~048	~048	NO USED							
049	04	06	07	06	* AWB- TRACKING AREA SETTING							
04A	D0	D0	D0	D0	"@WDR ON ; AE A-READ(SMALL)DATA CUTTING -LOW"							
04B	01	01	01	01	"@WDR ON ; AE A-READ(SMALL)DATA CUTTING -HIGH"							
04C	04	04	04	04	"* AWB- R-CTRL UP / DOWN VALUE (W / B TARGET CENTER(=80) + / - ADDR;04C)"							
04D	80	80	80	80	"* AWB- B-CTRL UP / DOWN VALUE (W / B TARGET CENTER(=80) + / - ADDR;04D)"							
04E	8A	80	8A	80	* AWB- OUTDOOR HALL VALUE							
04F	E0	E0	E0	E0	WDR AE TARGET -LOW							
050	00	00	00	00	WDR AE TARGET-HIGH							
051	44	44	44	44	**changed by AUTO 3MLENS ADJ(0DE)**				ZOOM PULSE LOW 16X LENS			
052	FF	FF	FF	FF	**changed by AUTO 3MLENS ADJ(0DE)**				ZOOM PULSE HIGH 16X LENS			
053	31	33	48	2D	**changed by AUTO AWB ADJ(0CF)**				R-CONTROL 3100K			
054	A0	89	C8	78	**changed by AUTO AWB ADJ(0CF)**				B CONTROL 3100K			
055	5F	60	88	5E	**changed by AUTO AWB ADJ(0CF)**				R-CONTROL 5100K			

	NO-OSD-DISPLAY											
ADDR	**MODEL/DATA**				**CONTENT (EEPROM DATA PAGE 0)**							
	PAL		NTSC									
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN							
ADDR	DATA				D7	D6	D5	D4	D3	D2	D1	D0
056	5A	54	68	4E	**changed by AUTO AWB ADJ(0CF)**				B CONTROL 5100K			
057	00	00	00	00	@DSP#12C(HAPGN) at AGC							
058	00	00	00	00	@DSP#12C (HAPGN) at AGC							
059	03	03	03	03	"* AWB- RATIO ; 1/3 CENTER TRACKING"							
05A	03	03	03	03	"* AWB- RATIO HIGH ; CENTER AXIS OVER 5100K(OUTDOOR)"							
05B	04	04	04	04	"* AWB- RATIO LOW ; CENTER AXIS BELOW 3100K(INDOOR)"							
05C	E0	E0	E0	E0	SHUTTER START POINT OF IRIS CONTROL PERCENT(FF=100% IRIS MAX)							
05D	80	80	80	80	"@WDR ON; AE DATA CUTTING -LOW"							
05E	02	02	02	02	"@WDR ON; AE DATA CUTTING -HIGH"							
05F	50	50	50	50	"@WDR ON; BLACK BALANCE MAX-DATA (MIN DATA+31)"							
060	40	40	40	40	"@WDR ; AE-TARGET MARGIN; #087,#088 -#060, AT CLIP-COUNTER ON "							
061	10	10	10	10	"@WDR ; CLIP_COUNTER-TH-'HIGH' BYTE "							
062	10	10	10	10	@EIS H-TH-COUNTER							
063	2A	2A	2A	2A	@EIS H-TH							
064	10	10	10	10	@EIS V-TH-COUNTER							
065	2A	2A	2A	2A	@EIS V-TH							
066	08	08	04	04	"@WDR ON; Y ,C GAMMA 1 "							
067	0D	0D	07	07	"@WDR ON; Y ,C GAMMA 2 "							
068	1B	1B	15	15	"@WDR ON; Y,C GAMMA 3 "							
069	32	32	2C	2C	"@WDR ON; Y ,C GAMMA 4 "							
06A	57	57	4D	4D	"@WDR ON; Y,C GAMMA 5 "							
06B	82	82	70	70	"@WDR ON; Y,C GAMMA 6"							
06C	C0	C0	B4	B4	"@WDR ON; Y ,C GAMMA 7"							
06D	F0	F0	F8	F8	"@WDR ON; Y,C GAMMA 8"							
06E	EE	EE	EE	EE	"@WDR ON; ADDR#12C ;YVBKT,YVBK,HBLK,YHBK"							
06F	08	08	08	08	"@WDR ON; ADDR#123;YHPSC,YAPC"							
070	50	50	50	50	"@WDR ON; ADDR#126;YLPFSEL"							
071	10	10	10	10	"@WDR ON; ADDR#134;RED DARK SLICE"							
072	03	03	03	03	"@WDR ON; ADDR#135;BLUE DARK SLICE"							
073	00	00	00	00	"@WDR ON; ADDR#136;GREEN DARK SLICE"							
074	11	11	10	10	@CINEMA F-ZONE LIMIT UP							
075	7D	7D	68	68	@CINEMA F-ZONE LIMIT UP							
076	5A	60	4B	52	@R-GAIN POSITIVE(ADDR.147) at OUTDOOR							
077	55	60	3D	4A	@R-GAIN NEGATIVE(ADDR.148) at OUTDOOR							
078	27	2C	12	21	@R-HUE POSITIVE (ADDR.149) at OUTDOOR							
079	28	3B	17	35	@R-HUE NEGATIVE (ADDR.14A) at OUTDOOR							
07A	33	39	2C	31	@B-GAIN POSITIVE(ADDR.14B) at OUTDOOR							
07B	2C	30	1D	21	@B-GAIN NEGATIVE(ADDR.14C) at OUTDOOR							

	NO-OSD-DISPLAY											
ADDR	**MODEL/DATA**				**CONTENT (EEPROM DATA PAGE 0)**							
	PAL		NTSC									
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN							
ADDR	DATA				D7	D6	D5	D4	D3	D2	D1	D0
07C	1C	1A	24	26	@B-HUE POSITIVE (ADDR.14D) at OUTDOOR							
07D	10	0E	15	0D	@B-HUE NEGATIVE (ADDR.14E) at OUTDOOR							
07E	50	50	50	50	@NEGA BLC TARGET-'L'							
07F	00	00	00	00	@NEGA BLC TARGET-'H'							
080	04	04	04	04	"@AE; AE A-WINDOW WEIGHT '05'=50%"							
081	5E	5E	5E	5E	"@AE; SPOTLIGHT AE-TARGET 'L'"							
082	00	00	00	00	"@AE; SPOTLIGHT AE-TARGET 'H'"							
083	90	90	90	90	@DIGITAL CLAMP CONTROL START AGC							
084	0C	0C	0C	0C	@AGC MAX , DIGITAL CLAMP CONTROL(ADDR.#118)							
085	90	90	90	90	* AWB- W / B DATA-TH							
086	02	02	02	02	* AWB- LUMINANCE AREA NUMBER							
087	00	00	00	00	"@AE; BLC / WDR , AE TARGET 'L'"							
088	02	02	02	02	"@AE; BLC / WDR, AE TARGET 'H'"							
089	75	75	75	75	@SEPIA CDS-R							
08A	3A	3A	3A	3A	@SEPIA CDS-G							
08B	00	00	00	00	"@AE; SAND&SNOW MODE AE TARGET 'L'"							
08C	02	02	02	02	"@AE; SAND&SNOW MODE AE TARGET 'H'"							
08D	00	00	00	00	**changed by AUTO 3MLENS ADJ(0DE)**				@FOCUS TELE MARGIN LOW BYTE(CANON X22 LENS)			
08E	00	00	00	00	**changed by AUTO 3MLENS ADJ(0DE)**				@FOCUS TELE MARGIN HIGH BYTE(CANON X22 LENS)			
08F	F0	F0	F0	F0	**changed by AUTO 3MLENS ADJ(0DE)**				@FOCUS WIDE MARGIN LOW BYTE(CANON X22 LENS)			
090	FF	FF	FF	FF	**changed by AUTO 3MLENS ADJ(0DE)**				@FOCUS WIDE MARGIN HIGH BYTE(CANON X22 LENS)			
091	F8	09	00	0A	@CCD H-PIXEL NUMBER -LOW BYTE							
092	02	02	03	02	@CCD H-PIXEL NUMBER -HIGH BYTE							
093	23	23	F7	F7	@CCD V LINE NUMBER -LOW BYTE							
094	01	01	00	00	@CCD V LINE NUMBER -HIGH BYTE							
095	1C	0C	16	09	@CCD V SKIP LINE DEFAULT VALUE							
096	B9	46	50	EE	@CCD V LINE NUMBER LOW BYTE							
097	02	02	02	01	@CCD V LINE NUMBER HIGH BYTE							
098	98	98	98	98	"@DSP IC ADDR #41H ;ART DSE LEVEL"							
099	B8	B8	B8	B8	"@DSP IC ADDR #1CH ;NEGA MODE WHITE CLIP LEVEL"							
09A	30	30	30	30	* AWB- START HALL VALUE							
09B	1C	1C	1C	1C	"@DSE- MOSAIC SIZE; DSP IC ADDR #39H "							
09C	F4	F4	F4	F4	"@D / ZOOM MAX RATIO; CO=4X, EE=14.3X, F4= 20X "							
09D	68	68	68	68	@ NOISE SLICE START AGC VALUE							
09E	0B	0B	0B	0B	@ HAP(DSP #10BH) MIN VALUE AT AGC MAX							
09F	0B	0B	0B	0B	@ VAP(DSP 310C) MIN VALUE AT AGC MAX							
0A0	18	20	18	20	@ YAP(DSP #10DH) MAX VALUE AT AGC MAX							
0A1	A0	A0	A0	A0	@ CHROMA SUPPRESS PERCENT							

	NO-OSD-DISPLAY				
ADDR	**MODEL/DATA**				**CONTENT (EEPROM DATA PAGE 0)**
	PAL		NTSC		
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN
ADDR	DATA				D7 D6 D5 D4 D3 D2 D1 D0
0A2	60	60	60	60	@ CHROMA SUPPRESS START AGC VALUE
0A3	00	00	00	00	**changed by AUTO IRIS ADJ(0CE)** @ IRIS CONTROL MAX LOW BYTE
0A4	05	05	05	05	**changed by AUTO IRIS ADJ(0CE)** @ IRIS CONTROL MAX HIGH BYTE
0A5	B4	B4	B4	B4	* AWB -AT OUTDOOR,TRACKING AMOUNT(IN CASE,INDOOR DATA INPUT) ,B4=70%,FF=0%(NO TRACKING)
0A6	C0	C0	C0	C0	* AWB- WB AGC% , STOP POINT (80=50%, C0=75%)
0A7	89	89	89	89	@HALL WIDTH AT HALL ADJUST
0A8	E5	E5	E5	E5	**changed by AUTO 3MLENS ADJ(0DE)** @ZOOM RESET LOW(16X, 22X LENS)
0A9	88	88	88	88	**changed by AUTO 3MLENS ADJ(0DE)** @ZOOM RESET HIGH(16X, 22X LENS)
0AA	80	80	80	80	**changed by ZOOM VR CENTER(0D6)** @ZOOM VR CENTER VALUE
0AB	20	20	20	20	@ZOOM VR CENTER MARGIN(ZOOM STOP PERIOD)
0AC	34	30	34	30	**changed by AUTO AGC ADJ(0DB)** @AGC MIN VALUE
0AD	A8	A8	A8	A8	**changed by AUTO AGC ADJ(0DB)** @AGC MAX VALUE
0AE	0B	0B	09	09	"REMOCON ZOOM SPEED; 22X LENS -PAL:0B NTSC:09 "
0AF	02	02	02	02	AF ZIGZAG AMOUNT AT BASIC ZOOM SPEED
0B0	68	28	5B	30	@IN AGC AUTO ADJUST (ADDR.0DB), SHUTTER CONTROL OF AGC MIN ADJUST OPERATING(D0='0'FIX)
0B1	2A	2B	08	01	@IN AGC AUTO ADJUST (ADDR.0DB), SHUTTER CONTROL OF AGC MAX ADJUST OPERATING(D7='1'FIX)
0B2	~0B6	~0B6	~0B6	~0B6	NO USED
0B7	1A	1A	16	16	"ZOOM MAX SPEED ;22X LENS PAL:19H,NTSC:15H"
0B8	3A	3A	3A	3A	@HALL REF START, AT AUTO HALL ADJUST ADDR.0CD
0B9	4C	4C	4C	4C	@HALL GAIN START, AT AUTO HALL ADJUST ADDR.0CD
0BA	40	40	40	40	**changed by AUTO HALL ADJ(0CD)** @HALL MIN VALUE
0BB	C0	C0	C0	C0	**changed by AUTO HALL ADJ(0CD)** @HALL MAX VALUE
0BC	E0	D0	D0	D0	@AE TARGET-LOW BYTE
0BD	00	00	00	00	@AE TARGET-HIGH BYTE
0BE	B0	B0	B0	B0	**changed by AUTO IRIS ADJ(0CE)** @IRIS CONTROL MIN LOW BYTE
0BF	09	09	09	09	**changed by AUTO IRIS ADJ(0CE)** @IRIS CONTROL MIN HIGH BYTE
0C0	18	18	18	18	**changed by AUTO 3MLENS ADJ(0DE)** @FOCUS RESET LOW(16X,22X LENS)
0C1	82	82	82	82	**changed by AUTO 3MLENS ADJ(0DE)** @FOCUS RESET HIGH(16X,22X LENS)
0C2	40	40	40	40	@HALL CLOSE TARGET
0C3	~C6	~C6	~C6	~C6	NO USED
0C7	10	10	10	10	EIS GYRO-RESET TIME '0C=3.7SEC'
0C8	11	11	11	11	EIS START TIME ('10'=4.4SEC) AFTER EIS GYRO-RESET
0C9	65	65	65	65	@IRIS CONTROL OF ZOOM WIDE POSITION AT LENS ADJUSTMENT
0CA	24	24	24	24	@QB_GCTRL
0CB	48	48	48	48	@AETAR L (FLEX-ZONE)
0CC	00	00	00	00	@AETAR H (FLEX-ZONE)
0CD	**FF**	**FF**	**FF**	**FF**	**@@HALL AUTO ADJUST**
0CE	**FF**	**FF**	**FF**	**FF**	**@@IRIS AUTO ADJUST**

	NO-OSD-DISPLAY				
ADDR	**MODEL/DATA**				**CONTENT (EEPROM DATA PAGE 0)**
	PAL		NTSC		
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN
ADDR	DATA				D7 D6 D5 D4 D3 D2 D1 D0
0CF	**FF**	**FF**	**FF**	**FF**	**@@W/B AUTO ADJUST**
0D0	**FF**	**FF**	FF	FF	@@LENS AUTO INFINITE ZOOM TRACK(DON'T USE IN SERVICE FIELD)
0D1	68	68	A0	A0	FIND AGC ADJUST TARGET SHUTTER CONTROL AT AGC AUTO ADJUST (ADDR.0DB)
0D2	~0D5	~0D5	~0D5	~0D5	NO USED
0D6	**FF**	**FF**	**FF**	**FF**	**@@ZOOM VR LEVER CENTER FINDING**
0D7	01	01	01	01	@@ZOOM / FOCUS CHK=ONE AF ENABLE BIT 00~03
0D8	~0DA	~0DA	~0DA	~0DA	NO USED
0DB	FF	FF	FF	FF	**@@AGC AUTO ADJUST (ADDR. 0B0,0B1,0D1,0AC,0AD)**
0DC	FF	FF	FF	FF	"@LENS ZOOM TRACK CHECKING ;CONFIRM,DATA UP,DOWN KEY"
0DD	FF	FF	FF	FF	NO USED
0DE	FF	FF	FF	FF	"**@@LENS 3M ZOOM TRACK ADJUST =SERVICE FIELD MODE (KEEP DISTANCE; 3M+/-1Cm)**"
0DF	A0	A0	A0	A0	@EEPROM -TABLE -INITIAL ('99'+CONFIRM =CAMERA ONLY, 'AA'+CONFIRM=CAM+VCR INITIAL)
0E0	~0FF	~0FF	~0FF	~0FF	**VCR ADDRESS & DATA**

"CAMERA ADJUST MODE, EEPROM ADDRESS SEQUENCE & DATA OF PAGE 1"

ADDR	MODEL/DATA				CONTENT (EEPROM DATA PAGE 1)							
	PAL		NTSC									
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN							
ADDR	DATA				D7	D6	D5	D4	D3	D2	D1	D0
100	00	00	00	00	EMODE(2:0)='000'internal reset			VSKIP='0'	CINEMA ='0'	ND TEST	DSYNC	JITNSYNC
101	A0	A0	A0	A0	ADCK	FWCK	SCK	LALT	HSP	DOSEL	H_MAX_SEL(1:0)	
102	C0	C0	C0	C0	SHTR='11' HSS		H2DEL(3:0) 0~15nSEC DELAY ADJUST				PBLK_SEL	HSSC(8)
103	00	00	00	00	|---- HIGH SHUTTER SPEED CONTROL (8:0) ----|							
104	0D	19	0D	19	|---- GHDLY(7:0) -128 ~+ 127 ----|							
105	07	03	06	03	|---- H1DLY[3:0] 0~+15nS ----|				|---- RGDLY[3:0] -8~+7nS ----|			
106	50	48	31	38	|---- SHP_DLY[3:0] -8~+7nS				|---- SHD_DLY[3:0] -8~+7nS ----|			
107	70	40	40	40	FLALTSEL	ADCKDLY[2:0] 0~+7nS			DSCKSEL	FWCKDLY[2:0] 0~+7nS		
108	0D	0D	0D	0D	|---- HCNTSET[7:0] ----|							
109	00	00	00	00	|---- LSSC[7:0] low speed shutter ----|							
10A	00	00	00	00	DCKSEL	|---- VCNTSET[6:0] ----|						
10B	0D	0D	0D	0D	* WDR-AF CLIMB NOISE THRESHOLD							
10C	50	50	50	50	* WDR-AF CENTER DATA THRESHOLD LOW							
10D	01	01	01	01	* WDR-AF CENTER DATA THRESHOLD HIGH							
10E	0C	0C	0C	0C	* WDR-AF PEAK NOISE THRESHOLD LOW							
10F	09	09	09	09	* WDR-AF PEAK NOISE THRESHOLD HIGH							
					CLUSTER 1 (HEADER[3:0] = 4'b0001) ENCODER/ DEFECT COMPENSATION							
110	50	52	50	52	|---- C-SYNC[7:0] c.sync level 0~255 ----|							
111	01	01	01	03	|---- SETUP[7:0] setup level 0~255 ----|							
112	00	00	00	00	|---- EBURST[7:0] burst phase control :NTSC only ----|							
113	50	10	50	10	FSC4	EYDLY[2:0]000=-4PCK,111=+3PCK			UV_CTRL	|---- EBURST_H[2:0] ----|		
114	D8	D8	C8	CC	|---- EUSC[7:0] "-128~+127 ;B-Y BURST VALUE" ----|							
115	28	28	00	00	|---- EVSC[7:0] "-128~+127 ;R-Y BURST VALUE" ----|							
116	00	00	00	00	X	X	X	X	X	NOTBC	EXTDAC	PD1
117	03	03	03	03	X	X	AD[1:0] AD CLK DLY		D-CLP	S2	S1	S0
118	0D	10	0E	10	|----- CLAMP_OFFSET[7:0] ----|							
119	30	30	30	30	|----- DEFECY_THRESHOLD[7:0] 0~255 ----|							
11A	00	00	00	00	X	X	X	X	RAM-OUT	|---- RAM-OUT[8:6]		
11B	00	00	00	00	|---- RAM-OUT[5:0] ----|						RAM-OUT[9:8]	
11C	00	00	00	00	|---- RAM-OUT[7:0] ----|							
11D	00	00	00	00	X	|---- PFINDCNT[5:0] ----|						
11E	0E	0A	0A	0A	* AWB- AREA INTERVAL FORM CENTER AXIS							
11F	03	03	03	03	LENS HYSTERESIS ZOOM TRACKING CURVE							
					CLUSTER 2 (HEADER[3:0] = 4'b0010) LUMINANCE							
120	66	66	66	66	"YVBKTH[1;0]"		YVBKG[1:0]		"YHBKTH[1;0]"		YHBKG[1:0]	
121	D9	0C	D9	10	Y_H_GAIN[1:0]		X	|---- Y_H_POSI_GAIN[4:0] ----|				
122	94	54	94	4D	Y_L_GAIN[1:0]		YOLD-GAMMA	|---- Y_V_POSI_GAIN[4:0] ----|				

ADDR	MODEL/DATA				CONTENT (EEPROM DATA PAGE 1)							
	PAL		NTSC									
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN							
ADDR	DATA				D7	D6	D5	D4	D3	D2	D1	D0
123	02	03	03	03	X	X	|---- YA_NOISE_SLICE[5:0] ----|					
124	98	78	A0	78	|---- YHL_SC[7:0] ----|							
125	37	37	37	37	|---- YEDGE_SC[7:0] ----|							
126	50	50	50	50	X	YVAPPSEL	YEGCS	YHLCS'0'=ON	YLPFSEL	|---- "YSCDLY[2;0]" ----|		
127	0A	30	0A	30	|---- YHINS[6:0] aperture noise slice level after gamma correction. ----|							YNEGA / POSI
128	E4	E8	E4	E0	|---- YWC[7:0] ----|							
129	84	8A	84	8A	|---- YGAIN[7:0] X0~X2 ----|							
12A	00	00	00	00	X	YENHANTH[2:0]			X	X	YENHANG[1:0]	
12B	08	08	08	08	|---- YART[2:0] ----|		|---- YHI-A-GAIN[1:0] ----|					
12C	AF	6E	AF	7F	|---- HAPGN[4:0] ----|					YHCLIP[3:2]		H_C_SUP[4]
12D	81	81	81	81	|---- VAPGN[4:0] ----|					YHCLIP[1:0]		E_C_SUP[4]
12E	88	B8	88	B8	H_C_SUPP_GAIN[3:0]high light color suppress				F_FALL[3:0] edge color suppress			
12F	58	50	50	50	|---- Y_APERTUTR_CLIP[7:0] ----|							
					CLUSTER 3 (HEADER[3:0] = 4'b0011) LUMINANCE & CHROMA							
130	2B	2B	2B	2B	YHPEG[1:0]		YVPEG[1:0]			YHEMBSEL[1:0]		YVEMBSEL[1:0]
131	30	30	30	30	|---- YPST[7:0] pastel level ----|							
132	30	30	30	30	|---- YEMB[7:0] embossing level ----|							
133	00	00	00	00	X	X	X	X	YEMBOSS	YPASTEL	YIN-OUT	YWINDOW
134	03	06	06	05	|---- CRDS[7:0] r-dark-slice ----|							
135	FD	03	FC	04	|---- CBDS[7:0] b-dark-slice							
136	FD	00	00	00	|---- CGDS[7:0] g-dark-slice							
137	31	34	53	34	|---- CRWB[7:0] R-white-balance-control							
138	A0	8C	8F	A0	|---- CBWB[7:0] B-white-balance-control							
139	24	24	24	24	|---- CGWB[7:0] G-white-balance-control							
13A	07	07	07	07	|---- "CSLOPE1[7:0]COLOR_KEY_SLOPE_1;-64~+64"							
13B	E6	E6	E6	E6	|---- "CSLOPE2[7:0]COLOR_KEY_SLOPE_2;-64~+64"							
13C	29	29	29	29	"COLOR KEY OPTION :0(RED)~4;13A,13B,13C ADDRESS"				CSLOPE1 H[9]	CSLOPE1 H[8]	CSLOPE2 H[9]	CSLOPE2 H[9]
13D	00	00	00	00	X	X	X	CNEGA	CBAR	CMONO	CKEY	CKEY-NEGA
13E	FF	FF	FF	FF	DUMMY							
13F	FF	FF	FF	FF	DUMMY							
					CLUSTER 4 (HEADER[3:0] = 4'b0100) CHROMA							
140	17	07	17	37	X	X	CHCON(S1/S2)	CVCON(cr/cb)	CYLSEL	CRMS	CBMS	C-GAMMA-SEL
141	42	42	42	42	|---- CRCOEF[7:0] cr-matrix-coefficient ----|							
142	66	66	66	66	|---- CBCOEF[7:0] cr-matrix-coefficient ----|							
143	59	59	59	59	|---- CRRG[7:0] R-G signal coeff. for R-Y signal creating. ----|							
144	D9	D9	D9	D9	|---- CBRG[7:0] R-G signal coeff. for B-Y signal creating. ----|							
145	F2	F2	F2	F2	|---- CRBG[7:0] B-G signal coeff. for R-Y signal creating. ----|							
146	72	72	72	72	|---- CBBG[7:0] B-G signal coeff. for B-Y signal creating. ----|							
147	70	76	6C	67	|---- CRYGP[7:0] R-Y GAIN CONTROL + ----|							

ADDR	MODEL/DATA				CONTENT (EEPROM DATA PAGE 1)							
	PAL		NTSC									
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN							
ADDR	DATA				D7	D6	D5	D4	D3	D2	D1	D0
148	78	7E	60	70	|----	CRYGN[7:0] R-Y GAIN CONTROL -						----|
149	1D	1D	19	20	|----	CRYHP[7:0] R-Y HUE CONTROL +						----|
14A	2A	29	1A	40	|----	CRYHN[7:0] R-Y HUE CONTROL -						----|
14B	3D	43	33	38	|----	CBYGP[7:0] B-Y GAIN CONTROL +						----|
14C	33	35	24	24	|----	CBYGN[7:0] B-Y GAIN CONTROL -						----|
14D	50	3C	34	39	|----	CBYHP[7:0] B-Y HUE CONTROL +						----|
14E	08	05	23	0A	|----	CBYHN[7:0] B-Y HUE CONTROL -						----|
14F	80	80	80	80	|----	CGAIN[7:0] x0~ x2						----|
					CLUSTER 5 (HEADER[3:0] = 4'b0101) GAMMA							
150	08	08	04	04	|----	YG1[7:0]		@Y GAMMA POINT 1				----|
151	0D	0D	07	07	|----	YG2[7:0]		@Y GAMMA POINT 2				----|
152	1B	1B	15	15	|----	YG3[7:0]		@Y GAMMA POINT 3				----|
153	32	32	2C	2C	|----	YG4[7:0]		@Y GAMMA POINT 4				----|
154	57	57	4D	4D	|----	YG5[7:0]		@Y GAMMA POINT 5				----|
155	82	82	70	70	|----	YG6[7:0]		@Y GAMMA POINT 6				----|
156	C0	C0	B4	B4	|----	YG7[7:0]		@Y GAMMA POINT 7				----|
157	F0	F0	F8	F8	|----	YG8[7:0]		@Y GAMMA POINT 8				----|
158	06	04	04	04	|----	CGAMMA1[7:0]		@C GAMMA POINT 1				----|
159	0C	08	07	07	|----	CGAMMA2[7:0]		@C GAMMA POINT 2				----|
15A	1A	15	18	18	|----	CGAMMA3[7:0]		@C GAMMA POINT 3				----|
15B	2C	2B	30	30	|----	CGAMMA4[7:0]		@C GAMMA POINT 4				----|
15C	4C	4C	50	50	|----	CGAMMA5[7:0]		@C GAMMA POINT 5				----|
15D	78	78	78	78	|----	CGAMMA6[7:0]		@C GAMMA POINT 6				----|
15E	B6	B6	B8	B8	|----	CGAMMA7[7:0]		@C GAMMA POINT 7				----|
15F	F0	F0	F8	F8	|----	CGAMMA8[7:0]		@C GAMMA POINT 8				----|
					CLUSTER 6 (HEADER[3:0] = 4'b0110) D.ZOOM & EIS							
160	AE	AE	AE	AE	D.ZOOM	ZOOM-BYPASS	D.EFFECT	VADJ[1:0]		HADJ[1:0]		Z_DELAY
161	00	00	00	00	|----	VZOOM[7:0]						----|
162	1C	0C	18	09	|----	VZSKIP[7:0]						----|
163	00	00	00	00	|----	VZOFFE[7:0] EVEN FIELD LINE OFFSET						----|
164	00	00	00	00	|----	VZOFFO[7:0] ODD FIELD LINE OFFSET						----|
165	2A	00	2A	00	|----	HZOOM[7:0]						----|
166	00	00	00	00	MOSAIC H-ADJ[1:0]		X	X	X	X	X	HZSTR[8]
167	3E	00	38	00	|----	HZSTR[7:0]						----|
168	09	00	AF	00	|----	HZOFS[7:0]						----|
169	00	00	00	00	|----	MOSAIC[5:0] 4d=8x8,5d=10x10,63d=126x126					----|	MOSAIC V-ADJ[1:0]
16A	02	02	03	02	FE MODE[1:0] 01=F,10=H.M		X	X	X	X	FCM[9:8]	
16B	F8	09	00	0A	|----	FCM[7:0]						----|
16C	01	01	01	01	X	X	X	X	X	X	HMIRROR[9:8]	

ADDR	MODEL/DATA				CONTENT (EEPROM DATA PAGE 1)							
	PAL		NTSC									
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN							
ADDR	DATA				D7	D6	D5	D4	D3	D2	D1	D0
16D	7C	07	84	05	|----	HMIRROR[7:0]						----|
16E	00	00	00	00	|----	CBLK-ADJ[3:0]		----|	CCIR-Y	CCIR-C	X	SCKIV
16F	FF	FF	FF	FF	DUMMY							
					CLUSTER 7 (HEADER[3:0] = 4'b0111) AF/AE							
170	06	06	03	03	|----	OAFHS-W1	"@AF WINDOW 1 H-START POINT;3~252"					----|
171	EC	EC	F5	F5	|----	OAFHE-W1	"@AF WINDOW 1 H-END POINT;5~254"					----|
172	04	04	03	03	|----	OAFVS-W1	"@AF WINDOW 1 V-START POINT;3~152"					----|
173	8D	8D	76	76	|----	OAFVE-W1	"@AF WINDOW 1 V-END POINT;5~154"					----|
174	4D	4D	52	52	|----	OAFHS-W2	"@AF WINDOW 2 H-START POINT;1~254"					----|
175	A8	A8	AC	AC	|----	OAFHE-W2	"@AF WINDOW 2 H-END POINT;3~256"					----|
176	29	29	25	25	|----	OAFVS-W2	"@AF WINDOW 2 V-START POINT;1~154"					----|
177	71	71	5F	5F	|----	OAFVE-W2	"@AF WINDOW 2 V-END POINT;3~156"					----|
178	37	37	43	43	|----	OAEHS-WA	"@ AE WINDOW A H-START POINT;1~254"					----|
179	B8	B8	C1	C1	|----	OAEHE-WA	"@ AE WINDOW A H-END POINT;3~256"					----|
17A	26	26	20	20	|----	OAEVS-WA	"@ AE WINDOW A V-START POINT;1~155"					----|
17B	81	81	6E	6E	|----	OAEVE-WA	"@ AE WINDOW A V-END POINT;3~156"					----|
17C	07	07	0A	0A	|----	OAEHS-WB	"@ AE WINDOW B H-START POINT;1~254"					----|
17D	ED	ED	EE	EE	|----	OAEHE-WB	"@ AE WINDOW B H-END POINT;3~256"					----|
17E	24	24	1E	1E	|----	OAEVS-WB	"@ AE WINDOW B V-START POINT;1~155"					----|
17F	8B	8B	73	73		OAEVE-WB	"@ AE WINDOW B V-END POINT;3~156"					----|
					CLUSTER 8 (HEADER[3:0] = 4'b1000) AWB							
180	07	0A	0A	0A	|----	OAWBHS	"@ AWB WINDOW H-START POINT;1~254"					----|
181	ED	ED	EE	EE	|----	OAWBHE	"@ AWB WINDOW H-END POINT;3~256"					----|
182	24	24	1E	1E	|----	OAWBVS	"@ AWB WINDOW V-START POINT;1~155"					----|
183	8B	8B	73	73	|----	OAWBVE	"@ AWB WINDOW V-END POINT;1~156"					----|
184	FF	FF	FF	FF	|----	OYH-AE	"@Y-HIGH-THRESHOLD FOR AE;0~255"					----|
185	00	00	00	00	|----	OYL-AE	@Y-LOW -THRESHOLD FOR AE					----|
186	90	90	90	90	|----	OYH-AWB	@Y-HIGH-THRESHOLD FOR AWB					----|
187	30	30	30	30	|----	OYL-AWB	@Y-LOW -THRESHOLD FOR AWB					----|
188	C0	C0	C0	C0	|----	OAF_CLIP_TH[7:0] AF CLIP COUNTER THRESHOLD						----|
189	80	80	80	8A	|----	OAE_CLIP_TH[7:0] AE CLIP COUNTER THRESHOLD						----|
18A	02	02	02	02	OVAF	OLPFSEL	OFILPASS	OYISEL	OAWBSEL	|----	OZNSEL[2:0]	----|
18B	00	00	00	00	X	X	X	X	ODMTST	OAWBC SEL	ORBSEL	OAWB AREA
18C	FF	FF	FF	FF	DUMMY							
18D	FF	FF	FF	FF	DUMMY							
18E	FF	FF	FF	FF	DUMMY							
18F	FF	FF	FF	FF	DUMMY							
					CLUSTER 9 (HEADER[3:0]=4'b1001 ,AWB							
190	1F	1F	1F	1F	X	X	X	|----	ORYTH[4:0]			----|

ADDR	MODEL/DATA				CONTENT (EEPROM DATA PAGE 1)							
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	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN							
ADDR	DATA				D7	D6	D5	D4	D3	D2	D1	D0
191	1F	1F	1F	1F	X	X	X	|---- OBYTH[4:0] ----|				
192	30	30	30	30	|---- "OAWBSL 1[7:0]; 0~15, R-Y / B-Y CHART SLOPE 1 FOR AWB" ----|							
193	15	15	15	15	|---- "OAWBSL 2[7:0]; 0~15, R-Y / B-Y CHART SLOPE 2 FOR AWB" ----|							
194	70	70	70	70	|---- "OAWBSL 3[7:0]; 0~15, R-Y / B-Y CHART SLOPE 3 FOR AWB" ----|							
195	60	60	60	60	|---- "OAWBSL 4[7:0]; 0~15, R-Y / B-Y CHART SLOPE 4 FOR AWB" ----|							
196	20	20	20	20	|---- "OAWBSL 5[7:0]; 0~15, R-Y / B-Y CHART SLOPE 5 FOR AWB" ----|							
197	05	05	05	05	|---- "OAWBSL 6[7:0]; 0~15, R-Y / B-Y CHART SLOPE 6 FOR AWB" ----|							
198	34	34	34	34	X	X	|---- "OAWB_DETECT_R-Y_POINT A[5:0] ;0~63" ----|					
199	1C	1C	1C	1C	X	X	|---- "OAWB_DETECT_R-Y_POINT B[5:0] ;0~63" ----|					
19A	18	18	18	18	X	X	|---- "OAWB_DETECT_R-Y_POINT C[5:0]; 0~63" ----|					
19B	28	28	28	28	X	X	|---- "OAWB_DETECT_R-Y_POINT D[5:0] ;0~63" ----|					
19C	18	18	18	18	X	X	|---- "OAWB_DETECT_B-Y_POINT A[5:0] ;0~63" ----|					
19D	28	28	28	28	X	X	|---- "OAWB_DETECT_B-Y_POINT B[5:0] ;0~63" ----|					
19E	1E	1E	1E	1E	X	X	|---- "OAWB_DETECT_B-Y_POINT C[5:0]; 0~63" ----|					
19F	16	16	16	16	X	X	|---- "OAWB_DETECT_B-Y_POINT D[5:0] ;0~63" ----|					
					CLUSTER 10 (HEADER[3:0] = 4'b1010) AF DATA1							
1A0	03	03	03	03	* AF CENTER AREA DATA SHIFT COEFF. ----|							
1A1	02	02	02	02	* AF ALL AREA DATA SHIFT COEFF. ----|							
1A2	C0	C0	C0	C0	* AF ALL AREA FILTER1 DATA CUTTING LEVEL-LOW ----|							
1A3	01	01	01	01	* AF ALL AREA FILTER1 DATA CUTTING LEVEL-HIGH ----|							
1A4	00	00	00	00	* AF ALL AREA FILTER2 DATA CUTTING LEVEL-LOW ----|							
1A5	01	01	01	01	* AF ALL AREA FILTER2 DATA CUTTING LEVEL-HIGH ----|							
1A6	A0	A0	A0	A0	* AF CENTER AREA FILTER1 DATA CUTTING LEVEL-LOW. ----|							
1A7	00	00	00	00	* AF CENTER AREA FILTER1 DATA CUTTING LEVEL-HIGH ----|							
1A8	80	80	80	80	* AF CENTER AREA FILTER2 DATA CUTTING LEVEL-LOW. ----|							
1A9	00	00	00	00	* AF CENTER AREA FILTER2 DATA CUTTING LEVEL-HIGH ----|							
1AA	18	18	18	18	* AE VARIATION THRESHOLD FOR AF ----|							
1AB	20	20	20	20	* AF INITIAL DATA STABLE COEFF. ----|							
1AC	0A	0A	0A	0A	* AF CLIMB NOISE THRESHOLD							
1AD	16	16	16	16	* AF CLIMB SPEED DOWN THRESHOLD1							
1AE	10	10	10	10	* AF CLIMB DATA VARIATION THRESHOLD							
1AF	80	80	80	80	* AF PEAK CHECKING THRESHOLD							
					CLUSTER 11 (HEADER[3:0] = 4'b1011) ,AF DATA2							
1B0	10	10	10	10	* AF ZIGZAG NOISE THRESHOLD1 ----|							
1B1	23	23	28	28	* AF ZIGZAG CHECKING TIME1 ----|							
1B2	30	30	30	30	* AF ZIGZAG NOISE THRESHOLD2 ----|							
1B3	32	32	3C	3C	* AF ZIGZAG CHECKING TIME2 ----|							
1B4	20	20	20	20	* AF ZIGZAG NOISE THRESHOLD3 ----|							
1B5	08	08	08	08	* AF PEAK CONFIRM THRESHOLD1 ----|							

ADDR	MODEL/DATA				CONTENT (EEPROM DATA PAGE 1)							
	PAL		NTSC									
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN							
ADDR	DATA				D7	D6	D5	D4	D3	D2	D1	D0
1B6	07	07	07	07	* AF PEAK CONFIRM CONTINUE COUNT							----|
1B7	1F	1F	1F	1F	* AF PROGRAM OPTION1							----|
1B8	18	18	18	18	* AF CENTER AREA AGC CUTTING PERCENT							----|
1B9	30	30	30	30	* AF ALL AREA AGC CUTTING PERCENT							----|
1BA	16	16	16	16	* AF CLIMB SPEED DOWN THRESHOLD2							----|
1BB	14	14	14	14	* AF PEAK CLIMB RATIO							----|
1BC	10	10	10	10	* AF CENTER AREA CUTTING DATA FOR PATROL-LOW							
1BD	10	10	10	10	* AF OPTION2							
1BE	20	20	20	20	* AF ALL AREA CUTTING CUTTING DATA FOR PATROL-LOW							
1BF	00	00	00	00	* AF ALL AREA CUTTING CUTTING DATA FOR PATROL-HIGH							
					"**CLUSTER 12 (HEADER[3:0] = 4'b1100); AWB/AE**"							
1C0	1E	1E	1E	1E	* AF PEAK CONFIRM SPEED UP RATIO							
1C1	25	25	25	25	* AE AUTO MODE CONTROL SPEED DOWN RANGE							----|
1C2	40	40	40	40	* AE SPOTLIGHT MODE CONTROL SPEED DOWN RANGE							----|
1C3	04	04	04	04	* AE AUTO MODE CONTROL SPEED DOWN REFERENCE							----|
1C4	10	10	10	10	* AWB CUTTING THRESHOLD1							----|
1C5	10	10	10	10	* AWB CUTTING THRESHOLD2							----|
1C6	40	40	40	40	* AWB CUTTING THRESHOLD3							----|
1C7	40	40	40	40	* AWB CUTTING THRESHOLD4							----|
1C8	00	00	00	00	* AWB CUTTING THRESHOLD15							----|
1C9	24	24	24	24	* AE OFFSET BORDER							----|
1CA	0C	0C	0C	0C	* AE SPEED OFFSET COUNTER							----|
1CB	6A	60	6A	60	* AWB HALL STOP AT SPOTLIGHT MODE						----|	
1CC	8A	80	8A	80	* AWB HALL AT EIS MODE							----|
1CD	F0	F0	F0	F0	* AWB HALL STOP AT SPORTS MODE							----|
1CE	F0	F0	F0	F0	* AWB HALL AT PORTRAIT MODE							
1CF	F0	F0	F0	F0	* AWB HALL AT SAND&SNOW MODE							
					"**CLUSTER 13 (HEADER[3:0] = 4'b1101); DECODER 1**"							
1D0	~1FC	~1FC	~1FC	~1FC	FIXED							----|
1FD	~1FF	~1FF	~1FF	~1FF	MICOM VERSION							

CHANGED DATA BY MODEL

ADDR	DATA				CONTENT	APPLY MODEL
	PAL		NTSC			
	HI8	NORMAL	HI8	NORMAL	BIT SEGMENTATION EXPLAIN	
001	-	**40**	-	**40**	* OPTION SELECT(WDR ,M / FOCUS RING,REMOCON)	VP-A30, SC-A30
104	-	07	-	07	* GLOBAL DELAY	
095	08	-	-	-	* CCD V-SKIP LINE	VP-A800
096	46	-	-	-	* CCD V-LINE NUMBER- LOW BYTE	
162	08	-	-	-	* CCD V-SKIP LINE	
165	00	-	-	-	* H-ZOOM	
167	00	-	-	-	* H-START-POINT	

5-2-2 Camera System Adjustment

Note : From now on, the structure of every adjustment is as follows.

Step	Adjustment Item
1) Mode and input signal/ alignment tape 2) Test point and ADJ. part 3) And after Result and Remarks	

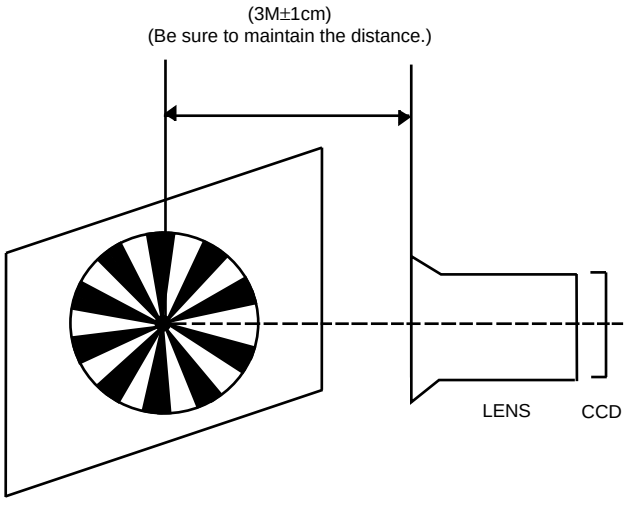
Note : The on-screen display information.
"XX XX" means arbitrary value.
It can be different number depend on the conditions.

ODF	T.INI	XX	XX

1. Focus to zoom tracking

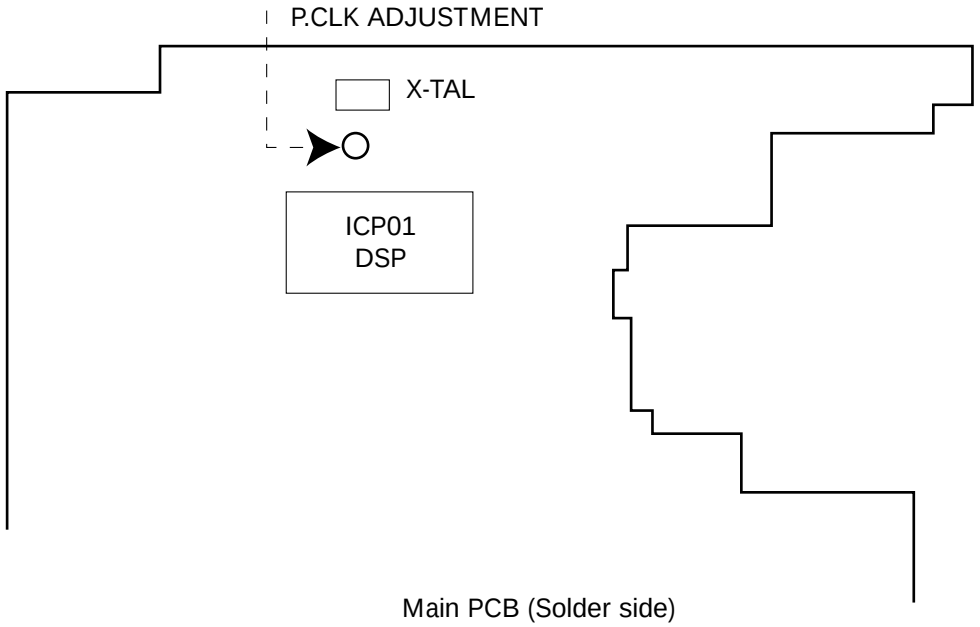
Notes : To maintain proper focus throughout the zoom range, the focus lens position must be changed as the zoom lens is moved.
During this adjustment the microprocessor will measure the focus positioning requirements at the wide and telephoto position of the zoom lens.

1) Camera "E-E".
2) Focus chart (Attached on the last page of this manual).
3) Aim the camera at the focus chart placed 3 meters away and perpendicular to the center of the lens.
   The chart should be placed on the flat, gray or white wall.
4) Connect monitor TV jack to video output jack.
5) Press the "DATE/TIME (MODE UP)" and "TITLE(MODE DOWN)" button, so that the OSD start is "0DE. 3M LEN XX XX".
6) Press "MENU/ENTER(CONFIRM)" button.
   The camera will move both zoom and focus lens. Be sure to do not tremble the lens.
   The adjustment is finished when the O.K! message appears on the TV screen.
   At the wide zoom position, the brightness of picture depends on data of Addr. 0C9, if the picture is dark, decrease the data of Addr. 0C9.



2. P. CLK Adjustment

1) “Camera”, no signal input.
2) P.CLK and AF MICOM.
3) Connect a frequency counter to P.CLK.
4) Press the “DATE/TIME (MODE UP)/TITLE(MODE DOWN)” button so that the OSD state is “005 XX XX”.
5) Adjust the “C/RESET(DATA UP)/Z/RTN(DATA DOWN)” button and MENU/ENTER(CONFIRM) button so that frequency is
   PAL : VP-A30, VP-A31, VP-A33 --> 9.453125MHz ± 50Hz.
   VP-A34, VP-A800, VP-A850 --> 14.18750MHz ± 50Hz.
   NTSC : SC-A30, SC-A33, SC-A35 --> 9.534964MHz ± 50Hz.
   SC-A850, SC-A85 --> 14.318182MHz ± 50Hz.



3. Zoom VR Center

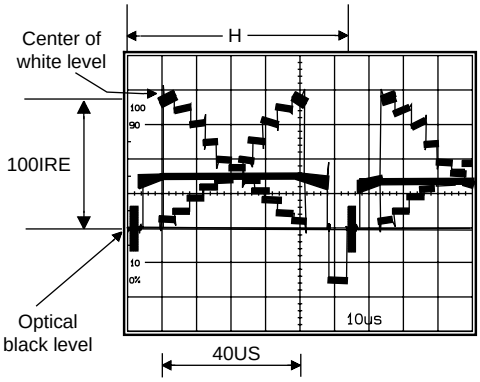
1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and EVR.
3) Connect monitor TV to video(output) jack.
4) Press the “DATE/TIME (MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “OD6. ZVR.C XX XX”.
5) Press “MENU/ENTER(CONFIRM)” button.
6) Then, the microprocessor will work ;
   - Find the Zoom VR Center position
   - Store the data to mode 0AA.

4. Auto hall

1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and EVR.
3) Connect monitor TV to video(output) jack.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “OCD. HALL XX XX”.
5) Press “MENU/ENTER(CONFIRM)” button.
6) Then, the microprocessor will work ;
   - IRIS open, HALL maximum value found,
   - IRIS closed, HALL minimum value found,
   - Store the HALL REF/GAIN data to mode 00E and mode 00F.
   - Store the HALL min./max. data to mode 0BA and mode 0BB.

5. AUTO IRIS

1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and AF MICOM.
3) Connect video(output) jack to waveform monitor input jack and monitor TV jack respectively.
4) Press the “DATE/TIME(MODE UP)/ TITLE (MODE DOWN)” button so that the OSD state is “OCE. IRIS XX XX”.
5) Press “MENU/ENTER(CONFIRM)” Button.
6) Then, the micro process will work;
   - IRIS open, IRIS control MAXIMUM Value found.
   - IRIS close, IRIS control minimum Value found.
   - Store the MIN/MAX data to mode 0BE, 0BF and mode 0A3, 0A4.
7) The OSD shows “O.K”.

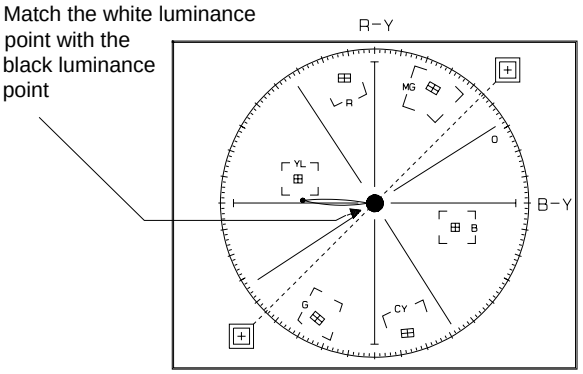


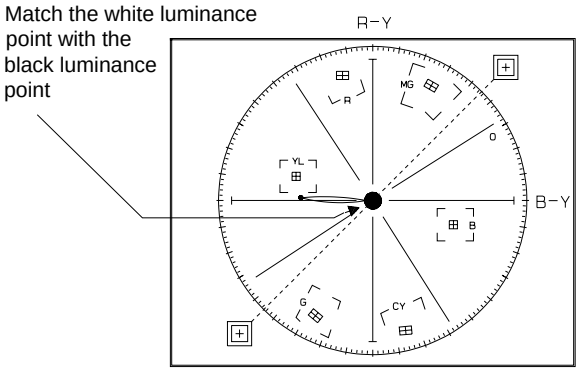
6. Auto white balance

1) Camera “E-E”, 3100°K/5100°K gray-scale chart.
2) Video(output) jack and AF MICOM.
4) Connect vectorscope input jack to video(output) jack.
3) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “OCF. AWB XX XX”.

a. W/B Indoor
a-1. Aim the camera at a 3100°K gray-scale chart illuminated at 1500 to 2000 lx. (40us)
a-2. Press “MENU/ENTER(CONFIRM)” button so that the white vector moves to the center on screen of the vectorscope.
a-3. During the control W/B indoor, OSD shows “0CF, AWB xx 00”.
The OSD shows “OK!”.

b. W/B Outdoor
b-1. Aim the camera at a 5100°K gray-scale (or, 3100°K+C16 filter) chart illuminated at 1500 to 2000 lx. (40us)
b-2. Press “MENU/ENTER(CONFIRM)” button so that the white vector moves to the center on screen of the vectorscope.
b-3. During the control W/B outdoor, OSD shows “0CF, AWB xx 01”.
The OSD shows “OK!”.
b-4. Store the data to mode 053, 054, 055 and 056.





7. Pre white balance (I)

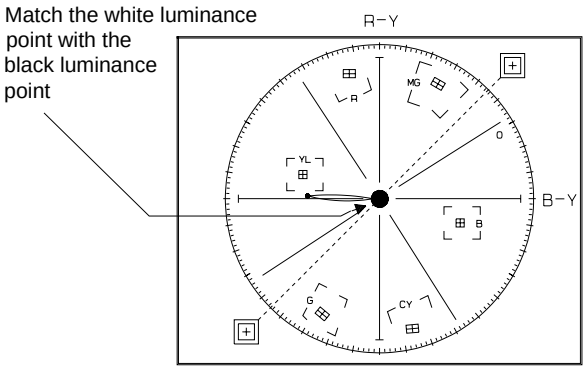
1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and AF MICOM.
3) Connect vectorscope input jack to video(output) jack.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “137. XX XX.” (R-Y axial)
5) Aim the camera at a 3100°K gray-scale chart illuminated at 1500 to 2000 lx.
6) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that the white vector moves to the R-Y axial on screen of the vectorscope.

Note : Bright dot shifts after the confirm button is pressed.

8. Pre white balance (II)

1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and AF MICOM.
4) Connect vectorscope input jack to video(output) jack.
3) Press the “DATE/TIME (MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “138. XX XX”.
5) Aim the camera at a 3100°K gray-scale chart illuminated at 1500 to 2000 lx.
6) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that the white vector moves to the B-Y axial on screen of the vectorscope.

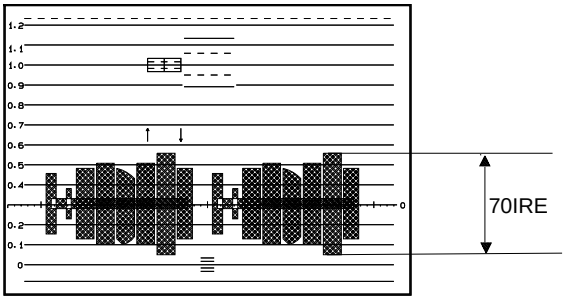
Note : Bright dot shifts after the confirm button is pressed.



9 R-Y Positive Gain

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to waveform monitor input jack and monitor TV jack respectively.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “147. XX XX”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that the red level is 70IRE.
7) Be sure to press the “MENU/ENTER(CONFIRM)” button to memorize setting.

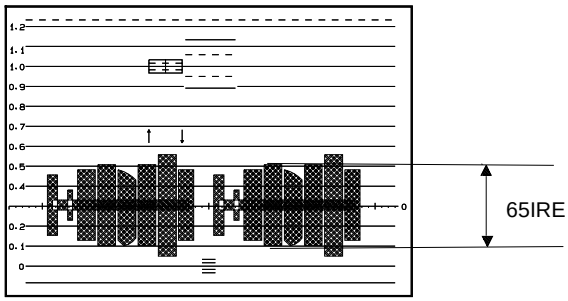
Note : Bright dot shifts after the confirm button is pressed.



10. R-Y Negative Gain

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to waveform monitor input jack and monitor TV jack respectively.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “148. XX XX”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that the cyan level is 65IRE.
7) Be sure to press the “MENU/ENTER/CONFIRM)” button to memorize setting.

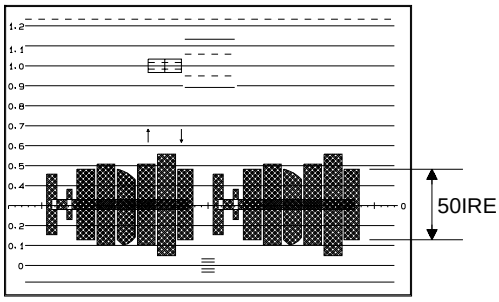
Note : Bright dot shifts after the confirm button is pressed.



11. B-Y Positive Gain

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to waveform monitor input jack and monitor TV jack respectively.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “14B XX XX”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that the blue level is 50IRE.
7) Be sure to press the “MENU/ENTER(CONFIRM)” button to memorize setting.

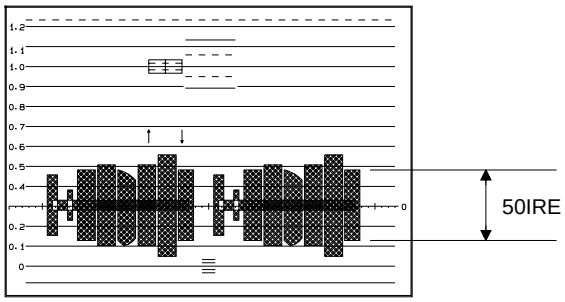
Note : Bright dot shifts after the confirm button is pressed.



12. B-Y Negative Gain

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to waveform monitor input jack and monitor TV jack respectively.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “14C XX XX”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that the yellow level is 50IRE.
7) Be sure to press the “MENU/ENTER(CONFIRM)” button to memorize setting.

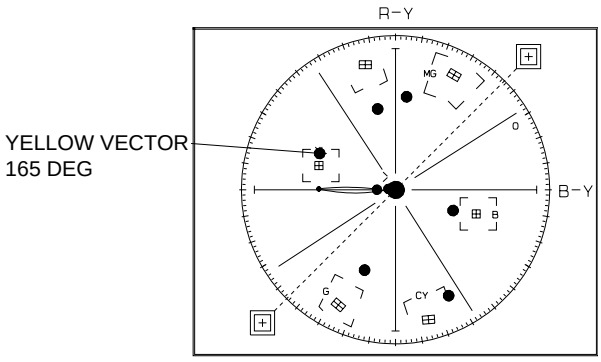
Note : Bright dot shifts after the confirm button is pressed.



13. R-Y Positive Hue

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to vectorscope input jack and monitor TV jack respectively.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “149 XX XX”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that the yellow vector is 165.
7) Be sure to press the “MENU/ENTER (CONFIRM)” button to memorize setting.

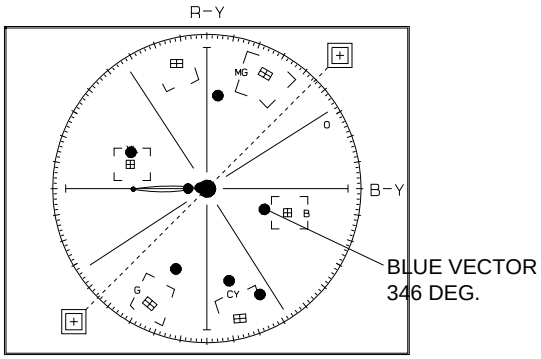
Note : Bright dot shifts after the confirm button is pressed.



14. R-Y Negative Hue

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to vectorscope input jack and monitor TV jack respectively.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “14A XX XX”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that the blue vector is 346.
7) Be sure to press the “MENU/ENTER (CONFIRM)” button to memorize setting.

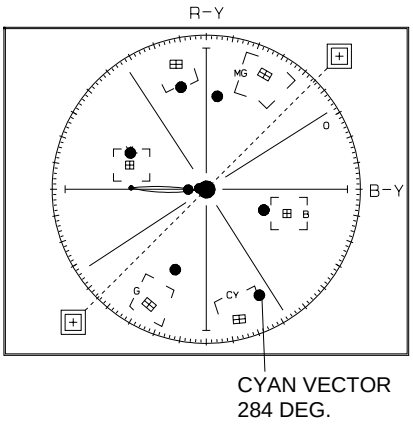
Note : Bright dot shifts after the confirm button is pressed.



15. B-Y Positive Hue

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to vectorscope input jack and monitor TV jack respectively.
4) Press the “DATE / TIME(MODE UP) / TITLE (MODE DOWN)” button so that the OSD state is “14D XX XX”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “C / RESET(DATA UP) / Z / RTN (DATA DOWN)” button so that the cyan vector is 284.
7) Be sure to press the “MENU / ENTER (CONFIRM)” button to memorize setting.

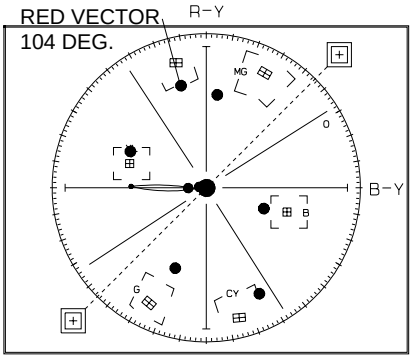
Note : Bright dot shifts after the confirm button is pressed.



16. B-Y Negative Hue

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to vectorscope input jack and monitor TV jack respectively.
4) Press the “DATE / TIME(MODE UP) / TITLE (MODE DOWN)” button so that the OSD state is “14E XX XX”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “C / RESET(DATA UP) / Z / RTN (DATA DOWN)” button so that the red vector is 104.
7) Be sure to press the “MENU / ENTER(CONFIRM)” button to memorize setting.

Note : Bright dot shifts after the confirm button is pressed.



5-2-3 EVF Adjustment

Note : From this point forward, the structure of every adjustment is as follows.

Step	Adjustment Item
1. Mode and input signal/ alignment tape 2. Test point and ADJ. part 3. Result and Remarks	ADJ. point → Test point ⇢

1. AFC

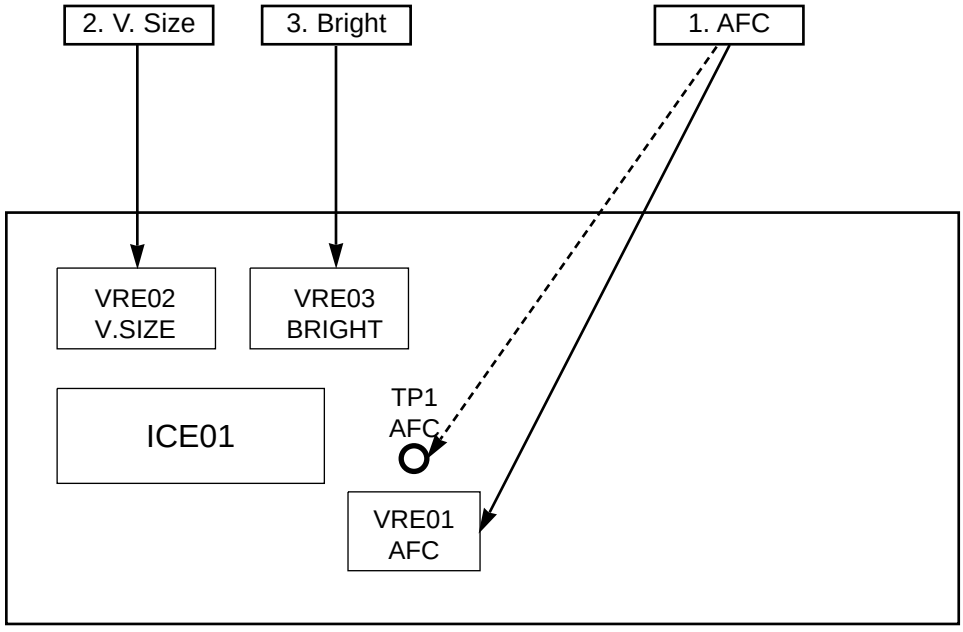
1) VCR “PB”, color bar tape.
2) TP•AFC and VRE01.
3) Connect digital voltmeter probe to TP•AFC.
4) Adjust VRE01 so that the voltage is DC 2.5V ±0.1V.

2. V. Size

1) CAMERA “AUTO”, Aim circle object.
2) Viewfinder and VRE02.
3) Adjust VRE02 so that the circle object in viewfinder is round perfectly.

3. Bright

1) CAMERA “AUTO”, Aim the gray scale chart.
2) Viewfinder and VRE03.
3) Adjust VRE03 so that all steps of the gray scale can be distinguished.



EVF PCB (Solder side)

5-2-4 CVF Adjustment

Notes :

1. After each adjustment step is completed, OSD shows “CONFIRM!”.
2. EEPROM(ICE02) stores confirmed adjustment value of each adjustment step.
3. After finishing the adjustment, reset the main power source (OFF-ON) to memorize the adjustment data in EEPROM.

5-2-4 (a) PREPARATION

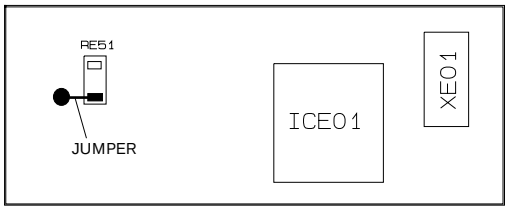
1. How to get into the CVF adjust mode.

STEP1

1. Remove RE51 (1.5 kohm) and place a jumper to ground land on the CVF PCB.
2. After adjustment is completed, replace RE51 to its original position. See the below figure for the location of RE51.

STEP2

1. Connect the power source (battery / DC cable).
2. Set the CAMERA / VCR switch of the camcorder to “VCR” position.
3. Set OSD on state.
4. Press and hold the “EJECT” button and “PLAY / STILL” button on the camcorder at the same time for more than 3 seconds. Then unit goes into service mode.



CVF PCB

OSD → CVF
8. PLL
EPR : XX EVR : XX

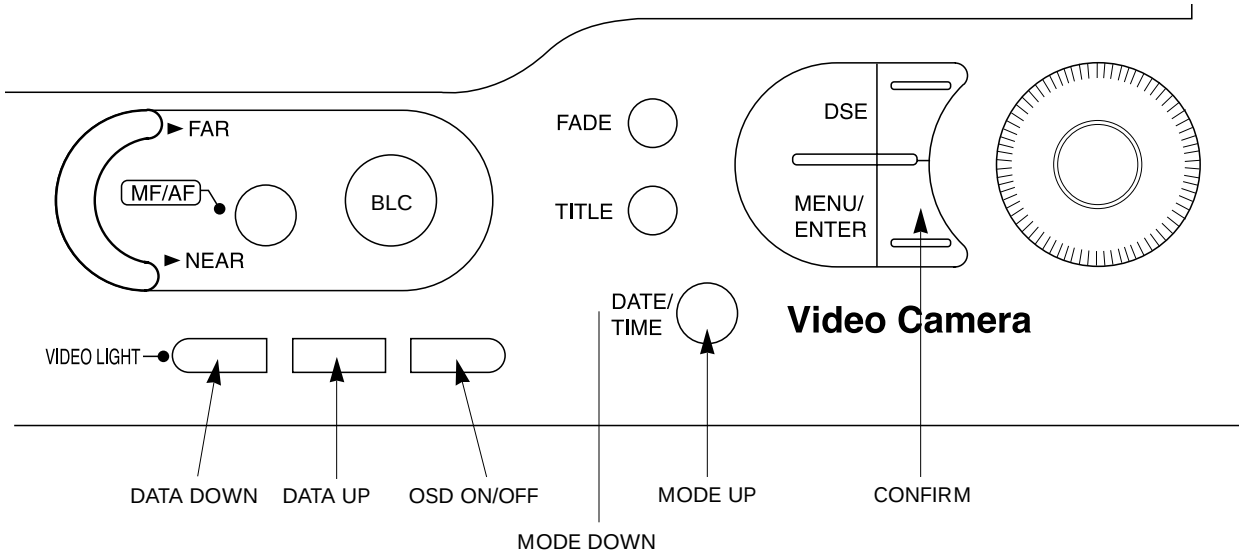
STEP3

Color bar pattern appears, and 0SD shows “8. PLL EPR XX. EVR XX”. Then CVF adjustment mode has been activated successfully.

Note : When “XX XX” is shown in service adjustment procedures, this indicates variable values.

2. The following chart shows the function of each button. In service adjustment mode, button names are different from those in customer camera function control mode. EX)MENU/ENTER button is the same as confirm.

Button	Function
DATE/TIME (MODE UP)	When change the adjustment mode.
TITLE (MODE DOWN)	When change the adjustment mode.
C/RESET (DATA UP) Z/RTN (DATA DOWN)	When change data value of adjust state.
MENU/ENTER (CONFIRM)	Data store after finishing adjustment by “DATA UP/DATA DOWN” button



ADDRESS	MODE	NTSC	PAL	MEAN	REMARK
0	TINT	88	65	TINT	ADJUST
1	COLOR	65	75	COLOR GAIN	ADJUST
2	BRIGHT	88	88	BRIGHT	ADJUST
3	CONTRAST	60	60	CONTRAST	FIXED
4	R SUB	8A	80	R-BRIGHT	ADJUST
5	B SUB	8A	80	B-BRIGHT	ADJUST
6	GAMMA 1	75	75	GAMMA1 GAIN	FIXED
7	GAMMA 2	B1	B1	GAMMA2 GAIN	FIXED
8	PLL	60	60	PLL	ADJUST
9	MODE 1	02	0E	SYSTEM SELECTION 1	FIXED
A	MODE 2	00	00	SYSTEM SELECTION 2	FIXED
B	MODE 3	F5	F5	H-POSITION	FIXED

NOTE : “XX XX: indicates variable values.

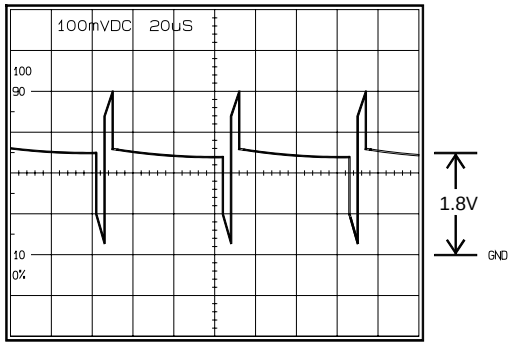
5-2-4 (b) ADJUSTMENT

Note :
1. From this point forward, the structure of every adjustment is as follows.
2. See page 5-26 for the location of test points and adjustments.

Step	Adjustment Item
1. Mode and input signal 2. Test point 3. Result and Remarks	ADJ. point → Test point ⇢

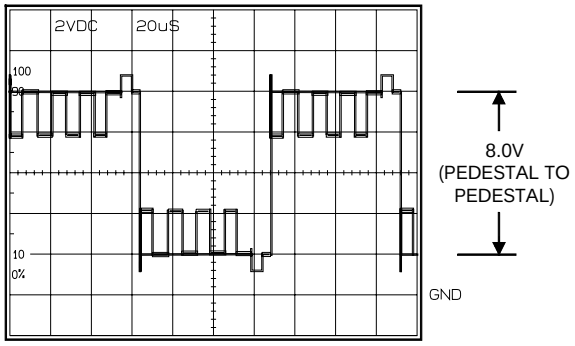
1. PLL

1) Color bar
2) Connect an oscilloscope probe to PLL
3) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “8 PLL EPR:XX EVR:XX”
4) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that RPD level is DC1.8+-0.1Vp-p.
5) Be sure to press the “MENU/ENTER(CONFIRM)” button to memorize setting.
6) The OSD shows “OK”



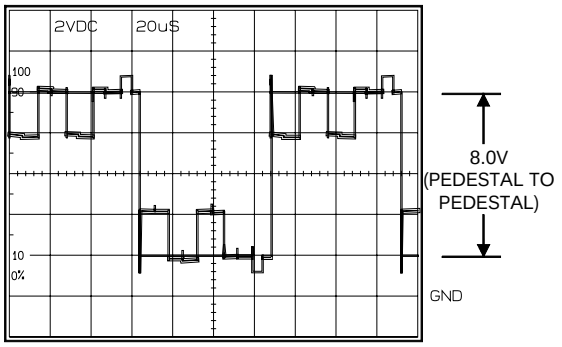
2. Brightness

1) Color bar.
2) G-OUT.
3) Connect an oscilloscope probe to G-OUT.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “2 BRIGHT EPR:XX EVR:XX”
5) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that bright(Green) level is 8.0Vp-p (pedestal to pedestal).
6) Be sure to press the “MENU/ENTER(CONFIRM)” button to memorize setting.
7) The OSD shows “O.K”



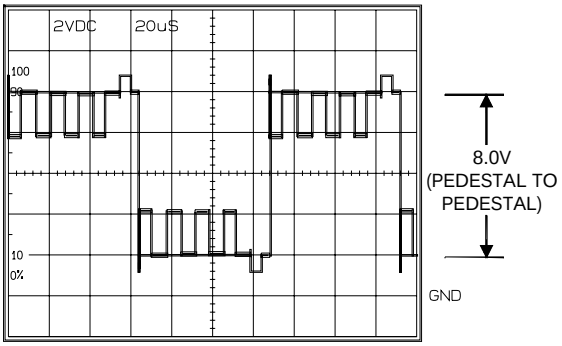
3. R-Sub Brightness

1) Color bar
2) R-OUT
3) Connect an oscilloscope probe to R-OUT.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “4 R SUB EPR:XX EVR:XX”
5) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that R-OUT(Red) level is 8.0Vp-p (pedestal to pedestal).
6) Be sure to press the “MENU/ENTER(CONFIRM)” button to memorize setting.
7) The OSD shows “O.K”



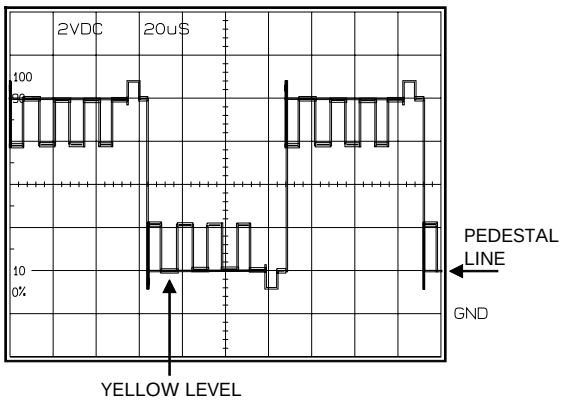
4. B-Sub Brightness

1) Color bar
2) B-OUT
3) Connect an oscilloscope probe to B-OUT.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “5 B SUB EPR:XX EVR:XX”
5) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that B OUT(Blue) level is 8.0Vp-p (pedestal to pedestal).
6) Be sure to press the “MENU/ENTER(CONFIRM)” button to memorize setting.
7) The OSD shows “O.K”



5. Color

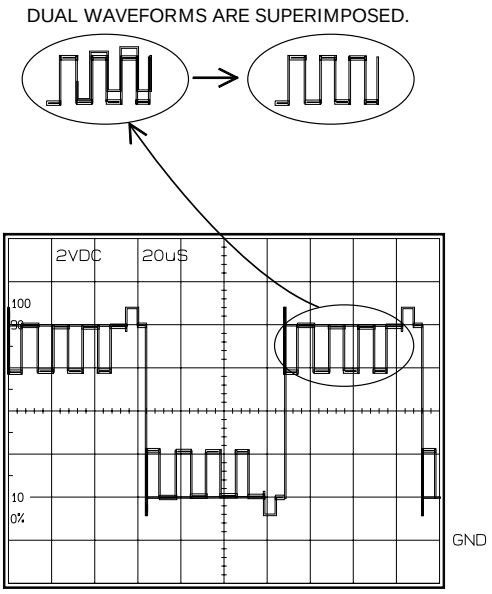
1) Color bar
2) B-OUT
3) Connect an oscilloscope probe to B-OUT.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “01 COLOR EPR:XX EVR:XX”
5) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that the Yellow level is equal to the pedestal line.
6) Be sure to press the “MENU/ENTER(CONFIRM)” button to memorize setting.
7) The OSD shows “O.K”.



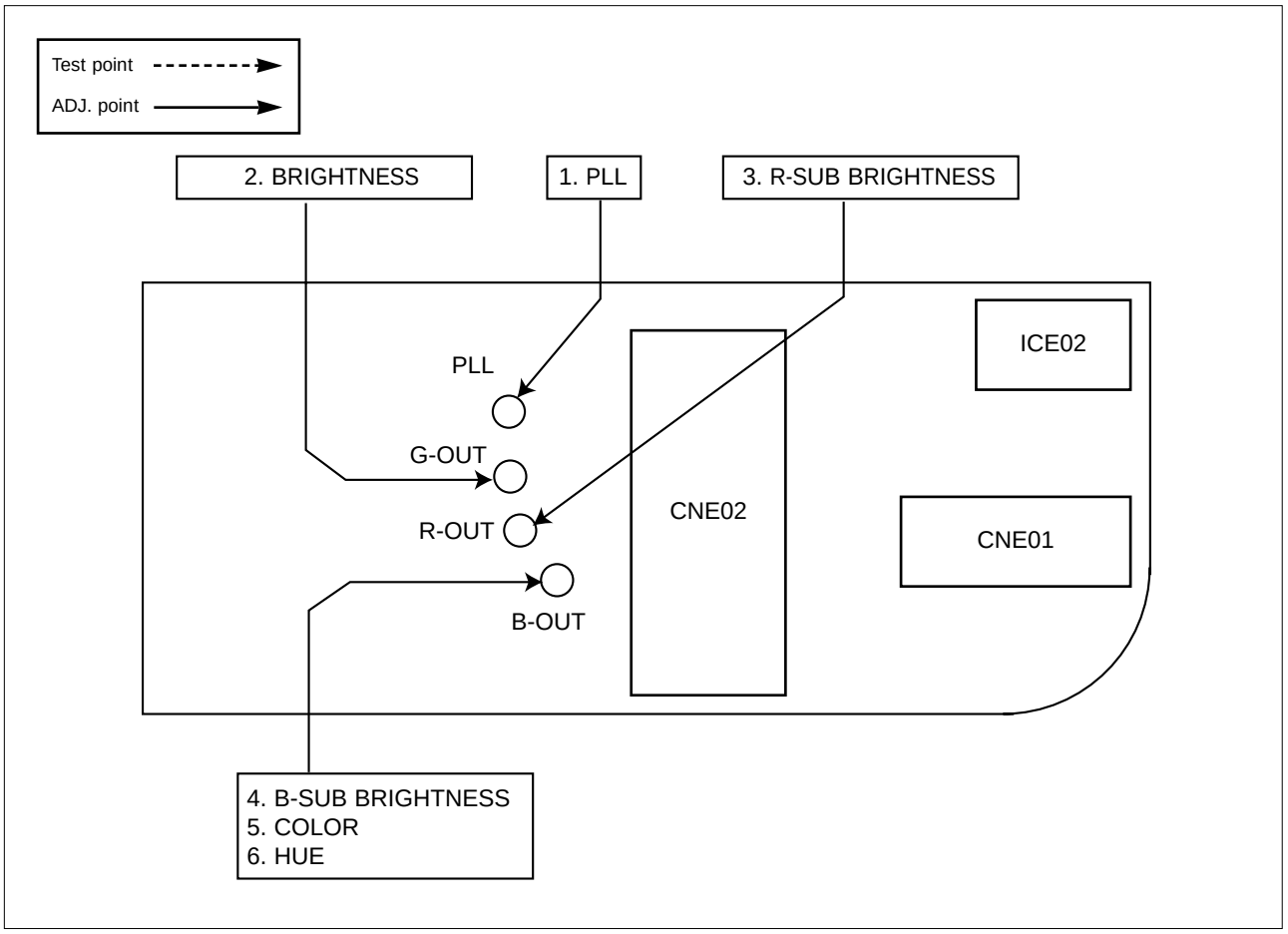
6. TINT

1) Color bar
2) B-OUT
3) Connect an oscilloscope probe to B-OUT.
4) Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button so that the OSD state is “0 TINT EPR:XX EVR:XX”
5) Adjust the “C/RESET(DATA UP)/Z/RTN (DATA DOWN)” button so that the dual waveforms are superimposed.
6) Be sure to press the “MENU/ENTER(CONFIRM)” button to memorize setting.
7) The OSD shows “O.K”

Note : If the data is largely changed, perform 5. Color Adjustment.



NO.	Address	Adjustment	Test point	Adjustment point	Spec.
1	8	PLL	PLL	EVR	1.8±0.1V DC
2	2	BRIGHTNESS	G-OUT	EVR	8.0Vp-p
3	4	R-SUB BRIGHTNESS	R-OUT	EVR	8.0Vp-p
4	5	R-SUB BRIGHTNESS	B-OUT	EVR	8.0Vp-p
5	1	COLOR	B-OUT	EVR	-
6	0	TINT	B-OUT	EVR	-



5-3 VCR Section Adjustment

5-3-1 Preparations

1. Equipment :

1) Monitor TV.
2) Dual trace oscilloscope of over 20MHz band, incorporates delay mode.
   (Use 10 : 1 probe unless otherwise specified.)
3) Frequency counter
4) DC power supply.
5) Alignment tape (Colour bar : SP)
6) 8mm Video Tape for record.

2. Composition of VCR P.C.Boards

1) Main PCB (system control/servo, video, audio, camera, DC/AC CONVERTER)
2) Rear PCB
3) Function PCB
4) Front PCB

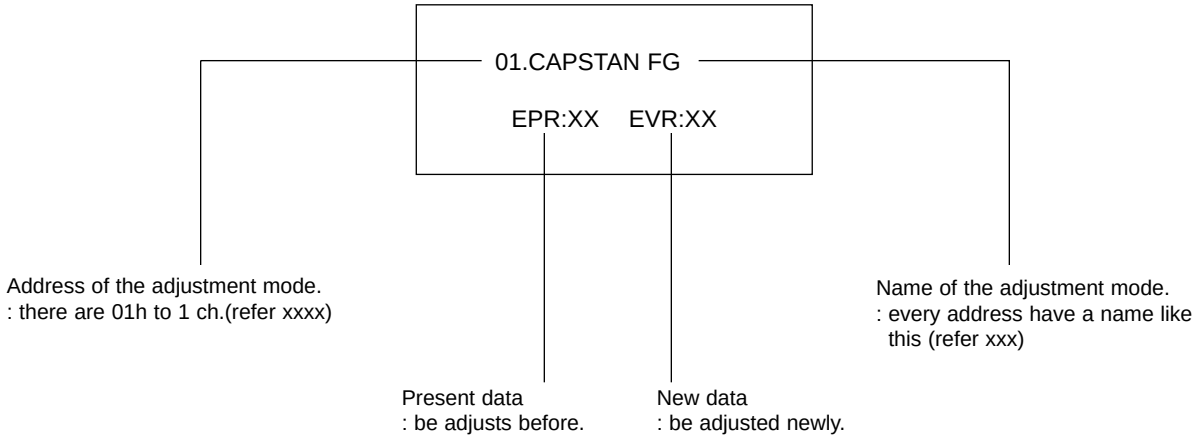
STEP 1

1. Connect the power source (battery/DC cable).
2. Set the power switch of the camcorder to PLAYER position.
3. Press the eject key to eject mode.

STEP 2

1. Press and hold “EJECT” button “STOP” button on the Camcorder at the same time for more than 5 seconds.
2. If the color bar generated internally appears on the monitor and adjustment mode displayed like the figure below, VCR adjustment mode has been successfully activated.
3. Insert tape into housing ass’y and then perform the adjustments.

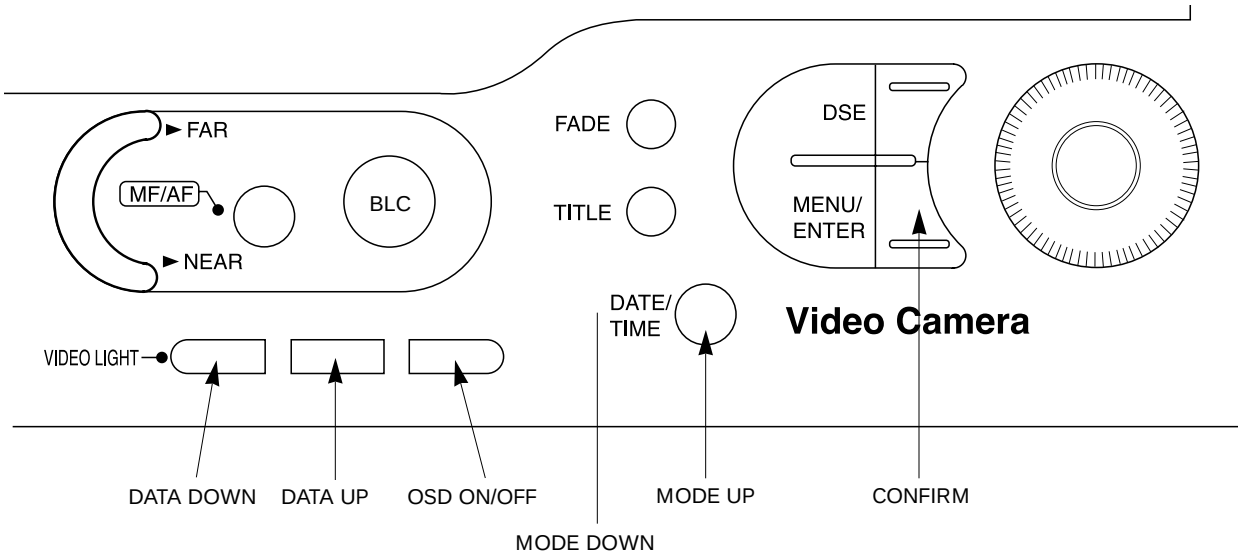
TV or EVF/CVF monitor


01.CAPSTAN FG
EPR:XX EVR:XX
Address of the adjustment mode.
: there are 01h to 1 ch.(refer xxxx)
Name of the adjustment mode.
: every address have a name like this (refer xxx)
Present data
: be adjusts before.
New data
: be adjusted newly.

3. How to get into service “**ADJUST**” mode.

4. The location of function button.

For Camcorder Adjustment



5. If you want to finish the adjustment mode, you have to do Battery Reset.
   The Battery Reset means that you pull out the power source and pull in it again.
   Then, the adjustment ended and the camcorder works normally.

5-3-2 VCR Section

Note 1 : From this point forward, the structure of every adjustment is as follows.

Step	Adjustment Item
1. Mode and input signal / alignment tape 2. Test point and ADJ. part 3. Result and Remarks	

ADJ. point

Test point

Note 2 : How to connect video out signal.

-Connect the video cable to ass'y A / V Jack.

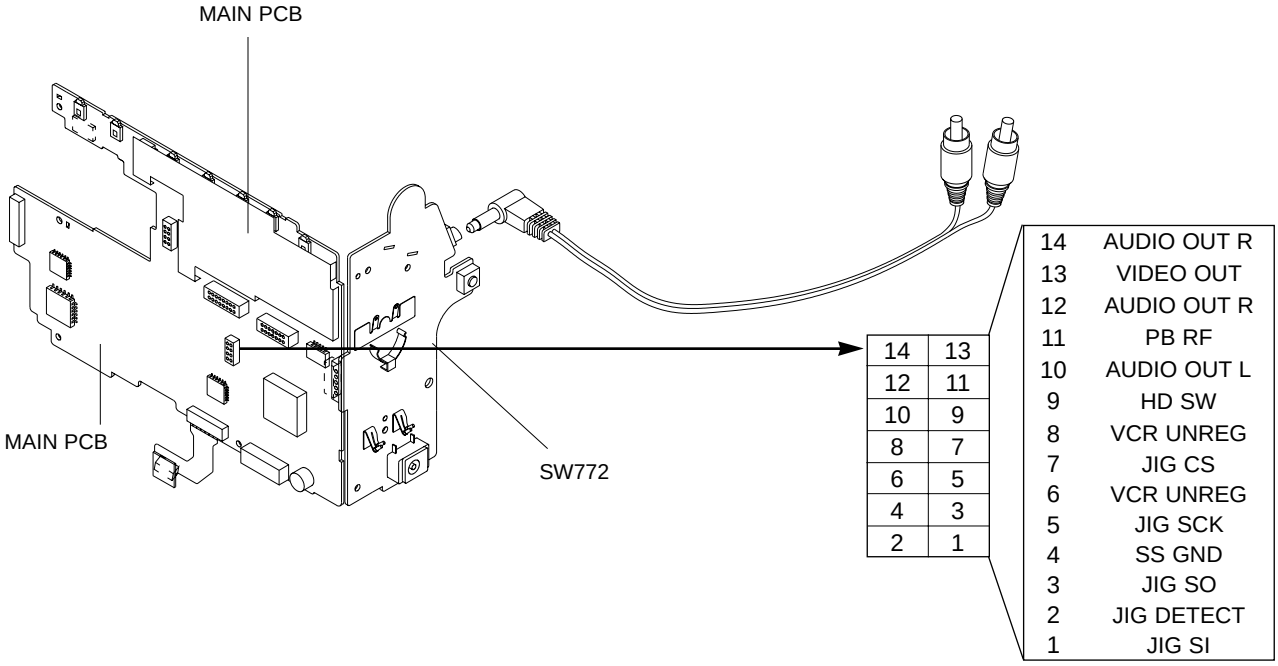


Fig. 1 Video Signal Connection

Note 3 : How to record -1. Insert a recordable tape.
-2. Press the SW772 (START / STOP)button on the Rear board in the adjustment mode.

5-3-3 Adjustment

1. Kinds of adjustment in recorder mode.

ADDRESS	NAME	NORMAL MODEL		HI 8 MODEL	
		NTSC	PAL	NTSC	PAL
01	CAPSTAN FG	80	80	80	80
02	Y-EMPHASIS IN (NOR)	Adjustment		Adjustment	
03	PB OUT-LEVEL (NOR)	Adjustment		Adjustment	
04	Y-FM CARRIER (NOR)	Adjustment		Adjustment	
05	Y-FM DEVIATE (NOR)	Adjustment		Adjustment	
06	C-EMPHASIS	CD	CD	A9	CD
07	BPF-ADJ	Adjustment		Adjustment	
08	AUDIO-1.5MHZ	70	70	70	70
09	AUDIO-1.7MHZ (ST)	80	80	80	80
0A	HD SW P	Adjustment		Adjustment	
0B	MTQ (PB)	D0	D0	D0	D0
0C	MTFQ (NOR)	7A	7A	7A	7A
0D	WHITE CLIP (NOR)	80	80	80	80
0E	REC C LEVEL	8C	99	BC	E0
0F	REC Y FM LEVEL	C8	B8	AC	C0
10	PB DEL ADJ	85	65	C/RESET	C/RESET
11	D CLIP (NOR)	65	65	65	65
12	DEL ADJ	85	65	C/RESET	C/RESET
13	SMEAR CONT	00	00	00	00
14	PB OUT LEVEL (HI8)	—		Adjustment	
15	Y-FM CARRIER (HI8)	—		Adjustment	
16	WHITE CLIP (HI8)	—		65	55
17	MTFQ (HI8)	—		9A	9A
18	D CLIP (HI8)	—		8E	8E
19	MODEL CODE	Model code setting		Model code setting	
1A	Y-EMPHASIS IN (HI8)			Adjustment	
1B	Y-FM DEVIATE (HI8)			Adjustment	
1C	COLOR BAR LEVEL	Adjustment		Adjustment	

2. Adjustment

* Please keep the order according to explanation.

2-1. Setting of the model name

a. Preparation

TAPE	NONE
EQUIPMENT	POWER SOURCE
OTHER	NONE
TEST POINT	NONE
ADDRESS	19
NAME	MODEL CODE

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 19.
e. Press the “C/RESET(DATA UP)/Z/RTN(DATA DOWN)” so that OSD shows ”ERR:XX EVR: XX” “XX” is different dependent on the model as below.

MODEL NAME	ADDRESSED CODE	MODEL NAME	ADDRESSED CODE
VP-A30	30	SCA30	30
VP-A31	31	SCA31	30
VP-A33	33	SCA33	33
VP-A34	34	SCA35	35
VP-A800	80	SCA80	80
VP-A850	85	SCA85	85

f. Be sure to press the “MENU/ENTER(CONFIRM)” button of CAMCORDER to memorize setting.
g. Reset the power source so as to fix the new data to the camcorder’s EEPROM.

2-2. Head Switching Point

: This adjustment is performed after the replacement of deck mechanism.
• Without this adjustment, there will be a noise in playback picture.

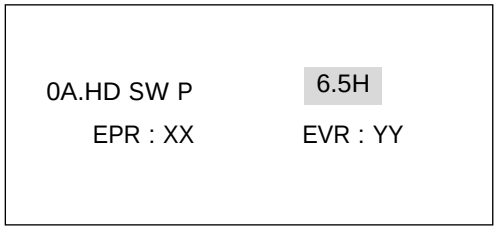
a. Preparations

TAPE	STANDARD COLOR BAR TAPE RECORDED WITH SP SPEED
EQUIPMENT	POWER SOURCE
OTHER	NONE
TEST POINT	NONE
ADDRESS	0A
NAME	HD SWP

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 0A.
e. Insert the Standard Color Bar Tape and press the PLAY button.

Note : If there is no video out, when you pressed the PLAY button, you can not adjust the Head Switching Point.
It may be caused by maladjusted VIDEO block.
In this case, adjust the VIDEO block before the Head Switching Point.
VIDEO block adjustments are 2-3~2-11.

f. The data of Head Switch is set to 6.2H~6.7H automatically.



g. Be sure to press the “MENU/ENTER(CONFIRM)” button of CAMCORDER to memorize setting.
h. Reset the power source so as to fix the new data to the camcorder’s EEPROM.

2-3. Adjusting Color Bar Level

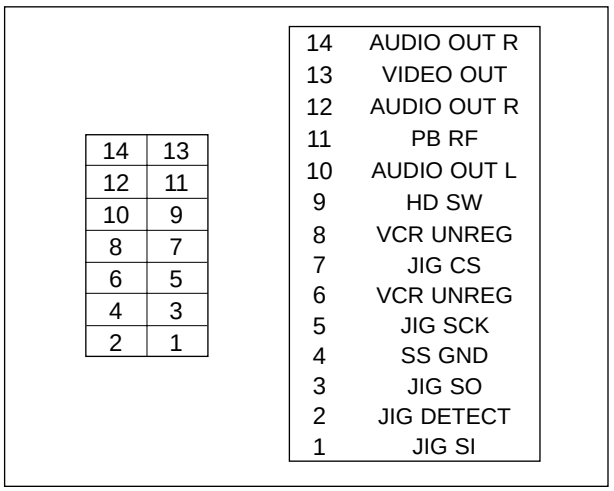
: This adjustment is performed to set the standard level of color bar signal which is generated internally.

a. Preparations

TAPE	NONE
EQUIPMENT	OSCILLOSCOPE
OTHER	NONE
TEST POINT	IC201 PIN 24
ADDRESS	1C
NAME	COLOR BAR LEVEL

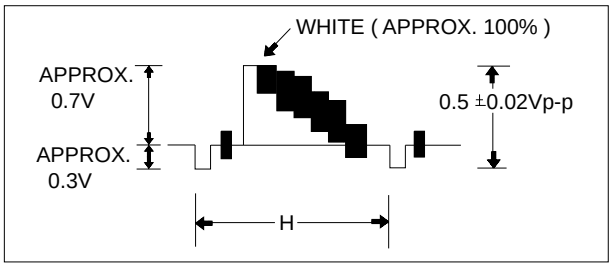
b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 1C.
e. Connect the oscilloscope to the addressed Test Point.
f. Press the “C/RESET(DATA UP)/Z/RTN(DATA DOWN)” button so as to set the P-P level of composite to 0.5V±0.02Vp-p.

Note : The level is changed after the confirmation.



14	13
12	11
10	9
8	7
6	5
4	3
2	1

14	AUDIO OUT R
13	VIDEO OUT
12	AUDIO OUT R
11	PB RF
10	AUDIO OUT L
9	HD SW
8	VCR UNREG
7	JIG CS
6	VCR UNREG
5	JIG SCK
4	SS GND
3	JIG SO
2	JIG DETECT
1	JIG SI



g. Be sure to press the “MENU/ENTER(CONFIRM)” button of CAMCORDER to memorize setting.
h. Reset the power source so as to fix the new data to the EEPROM.

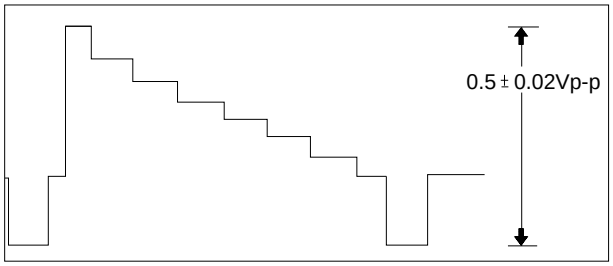
2-4. Adjusting Y-Emphasis Input

: This adjustment is performed to set the Y level which is recorded in tape.
Maladjusted Y level impact to the next adjustment.

a. Preparations

TAPE	8MM (NORMAL) TAPE
EQUIPMENT	OSCILLOSCOPE
OTHER	
TEST POINT	IC 201 PIN 13
ADDRESS	02
NAME	Y-EMPHASIS IN (NOR)

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 02.
e. Insert a Normal Tape to the camcorder.
f. Connect the oscilloscope to the addressed Test Point.
g. Press the “C/RESET(DATA UP)/Z/RTN(DATA DOWN)” button so that the IC201 PIN13 is 0.5±0.02Vp-p from SYNC tip to peak level.



h. Be sure to press the “MENU/ENTER(CONFIRM)” button of CAMCORDER to memorize setting.
i. Reset the power source so as to fix the new data to the EEPROM.

2-5. Adjusting PB OUT LEVEL

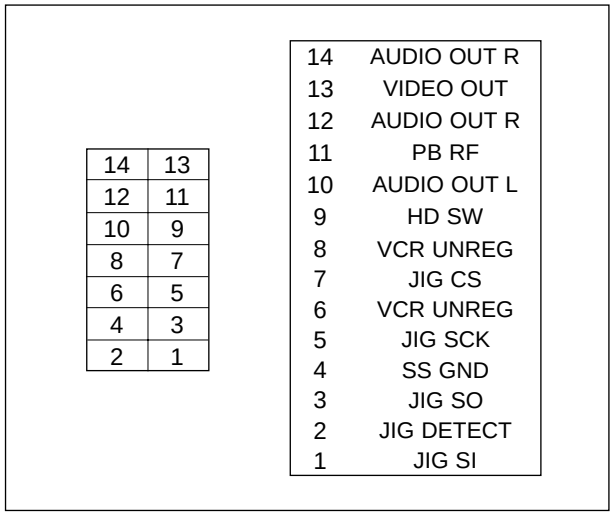
: This adjustment is perform to set the video out level to the regulated level.

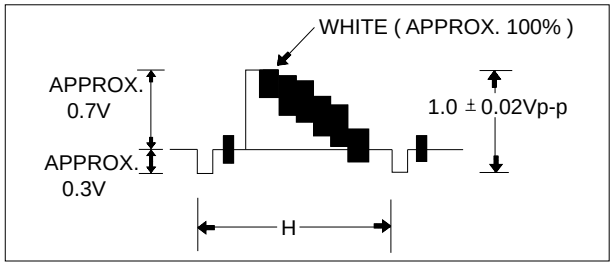
a. Preparations

TAPE	STANDARD COLOR BAR TAPE RECORDED WITH SP SPEED
EQUIPMENT	OSCILLOSCOPE
OTHER	CONNECT THE MONITOR (75Ω)
TEST POINT	CN605 PIN13
ADDRESS	03
NAME	PB OUT-LEVEL (NOR)

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 03.
e. Insert the Standard Color Bar Tape and press the PLAY button.
f. Connect the oscilloscope to the addressed Test Point.

g. Press the “C / RESET(DATA UP) / Z / RTN(DATA DOWN)” button so that the CN605 PIN13 is 1.0±0.02Vp-p from SYNC to peak level.





h. Be sure to press the “MENU / ENTER(CONFIRM)” button of CAMCORDER to memorize setting.
i. Reset the power source so as to fix the new data to the camcorder’s EEPROM.

2-6. Y-FM Carrier (NOR)

: This adjustment is performed to set the sync-tip level of the composite video signal. Maladjusted Y-FM carrier impact to the playback picture, there may be black or white dot noise.

a. Preparations

TAPE	NORMAL TAPE FOR RECORDING
EQUIPMENT	OSCILLOSCOPE
OTHER	NONE
TEST POINT	IC201 PIN41
ADDRESS	04
NAME	Y-FM CARRIER (NOR)

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE / TIME(MODE UP) / TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 04.
e. Insert a Normal Tape to the camcorder.
f. Press the START / STOP button on the Rear board so as to set the camcorder to RECORDING mode.
g. Connect the frequency counter to the addressed Test Point.
h. Press the “C / RESET(DATA UP) / Z / RTN(DATA DOWN)” button so as to set the frequency to 4.38MHz ± 0.02MHz
i. Be sure to press the “MENU / ENTER(CONFIRM)” button of CAMCORDER to memorize setting.
j. Reset the power source so as to fix the new data to the camcorder’s EEPROM.

2-7. Y-FM DEVIATION (NOR)

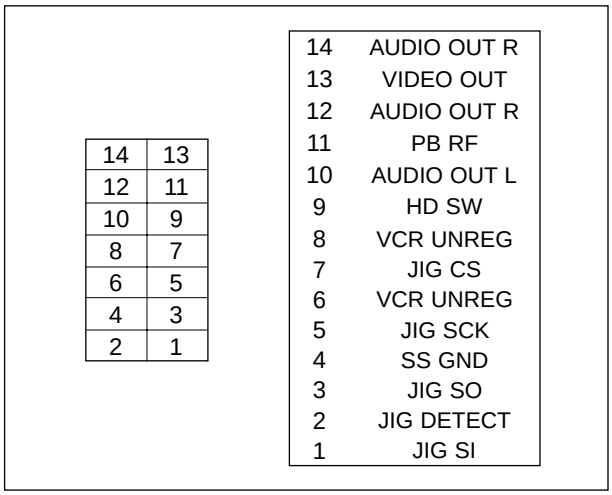
: This adjustment sets the Y-FM modulation level in recording. For adjustment, playback the self-recorded signal and observe the VIDEO OUT signal.

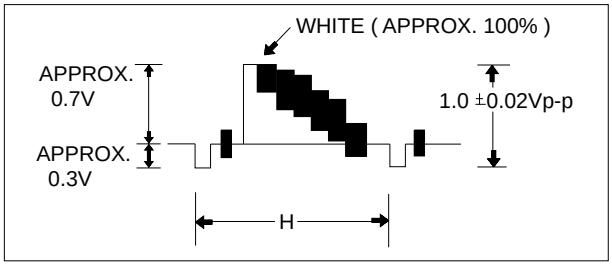
* Note : It is a little difficult to adjust because you can check the waveform in playback mode even though the adjustment is performed in VCR record mode.
So you have to do it carefully.

a. Preparations

TAPE	NORMAL TAPE FOR RECORDING
EQUIPMENT	OSCILLOSCOPE
OTHER	NONE
TEST POINT	CN605 PIN13
ADDRESS	05
NAME	Y-FM DEVIATE (NOR)

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 05.
e. Insert a NORMAL Tape to the camcorder.
f. Press the START/STOP button on the Rear board so as to set the camcorder to RECORDING mode.
g. Record for enough time to check the waveform when you playback where you recorded in step f).
* 1 minute may be enough to check the waveform in playback mode.
h. Connect the oscilloscope to the addressed Test Point.
i. Make sure that the waveform is to be as below. If OK, go to step l).
j. In case of the waveform level is bigger than 1Vp-p, press the Data Down button so as to set to down the waveform level and if the waveform level smaller than 1Vp-p, press the Data Up button so as to set to up the waveform level.
k. Repeat step g), h), i).





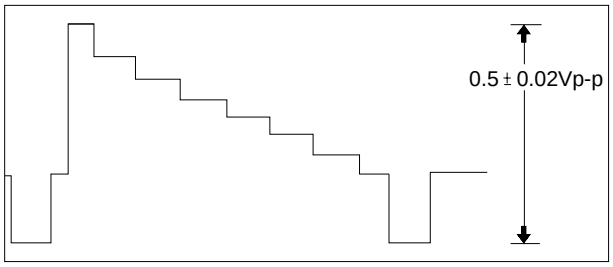
l. Be sure to press the “MENU/ENTER(CONFIRM)” button of CAMCORDER to memorize setting.
m. Reset the power source so as to fix the new data to the camcorder’s EEPROM.

2-8. Y-EMPHASIS INPUT (HI8)

a. Preparations

TAPE	HI8 TAPE
EQUIPMENT	OSCILLOSCOPE
OTHER	NONE
TEST POINT	IC201 PIN13
ADDRESS	1A
NAME	Y-EMPHASIS IN (HI8)

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 1A.
e. Insert the Hi-8 tape to the camcorder.
f. Connect the oscilloscope to the addressed Test Point.
g. Press the “C/RESET(DATA UP)/Z/RTN(DATA DOWN)” button so that the IC201 PIN13 is 0.5±0.02Vp-p from SYNC tip to peak level.



h. Be sure to press the “MENU/ENTER(CONFIRM)” button of CAMCORDER to memorize setting.
i. Reset the power source so as to fix the new data to the camcorder’s EEPROM.

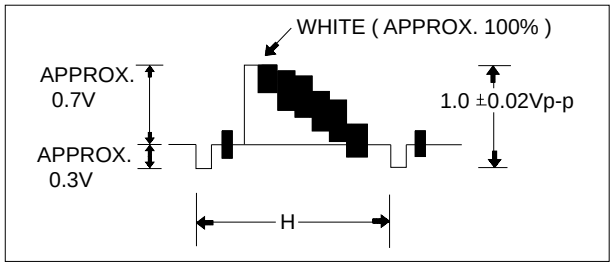
2-9. PB Output Level (Hi8)

: This adjustment is performed to set the sync-tip level of the composite video signal. Maladjusted Y-FM carrier impact to the play-back picture, there may be black or white dot noise.

a. Preparations

TAPE	HI8 STANDARD COLOR BAR TAPE RECORDED WITH SP SPEED
EQUIPMENT	OSCILLOSCOPE
OTHER	CONNECT THE MONITOR(75Ω)
TEST POINT	CN605 PIN13
ADDRESS	14
NAME	PB OUT-LEVEL (HI8)

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 14.
e. Insert a Hi-8 standard color bar tape and press the PLAY button.
f. Connect the oscilloscope counter to the addressed Test Point.
g. Press the “C/RESET(DATA UP)/Z/RTN(DATA DOWN)” button so that the CN605 PIN13 is 1.0±0.02Vp-p from SYNC to peak level.



h. Be sure to press the “MENU/ENTER(CON-FIRM)” button of CAMCORDER to memorize setting.
i. Reset the power source so as to fix the new data to the camcorder’s EEPROM.

2-10. Y-FM Carrier (Hi8)

: This adjustment is performed to set the sync-tip level of the composite video signal. Maladjusted Y-FM carrier impact to the play-back picture, there may be black or white dot noise.

a. Preparations

TAPE	HI8 TAPE FOR RECORDING
EQUIPMENT	FREQUENCY COUNTER
OTHER	NONE
TEST POINT	IC 201 PIN 13
ADDRESS	15
NAME	Y-FM CARRIER (HI-8)

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 15.
e. Insert a Hi-8 Tape to the camcorder.
f. Press the START/STOP button on the Rear board so as to set the camcorder to RECORD-ING mode.
g. Connect the frequency counter to the addressed Test Point.
h. Press the “C/RESET(DATA UP)/Z/RTN(DATA DOWN)” button so as to set the frequency to 5.99MHz ±0.02MHz
i. Be sure to press the “MENU/ENTER(CON-FIRM)” button of CAMCORDER to memorize setting.
j. Reset the power source so as to fix the new data to the camcorder’s EEPROM.

2-11. Y-FM Deviation (Hi8)

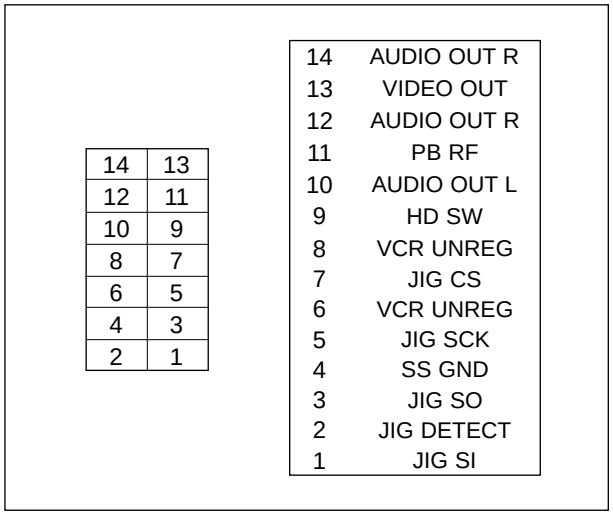
: This adjustment sets the Y_FM modulation level in recording. For adjustment, playback the self-recorded signal and observe the VIDEO OUT signal.

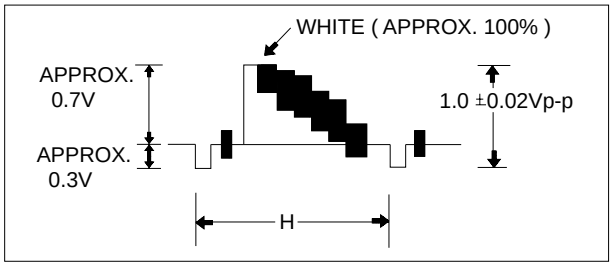
Note : It is a little difficult to adjust because you can check the waveform in playback mode even though the adjustment is performed in VCR record mode.
So you have to do it carefully.

a. Preparations

TAPE	HI-8 TAPE FOR RECORDING
EQUIPMENT	OSCILLOSCOPE
OTHER	NONE
TEST POINT	CN605 PIN13
ADDRESS	1B
NAME	Y-FM DEVIATE (HI8)

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 1B.
e. Insert a Hi-8 Tape to the camcorder.
f. Press the START/STOP button on the Rear board so as to set the camcorder to RECORDING mode.
g. Record for enough time to check the waveform when you playback where you recorded in step f).
* 1 minute may be enough to check the waveform in playback mode.
i. Make sure that the waveform is to be as below. If OK, go to step l).
j. In case of the waveform level is bigger than 1Vp-p, press the Data Down button so as to set to down the waveform level and if the waveform level smaller than 1Vp-p, press the Data Up button so as to set to up the waveform level.
k. Repeat step g), h), i).





l. Be sure to press the “MENU/ENTER(CONFIRM)” button of CAMCORDER to memorize setting.
m. Reset the power source so as to fix the new data to the camcorder’s EEPROM.

2-12. BAND Pass Filter

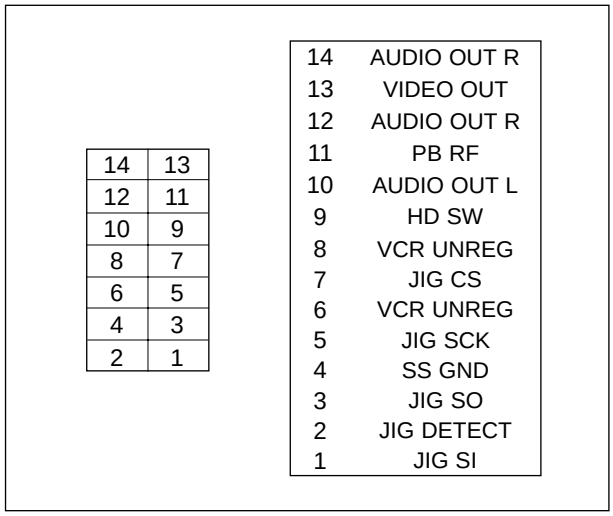
: This adjustment is performed to set the bandwidth of the 1.5MHz BPF.
By this adjustment, we can playback the audio without distortion.

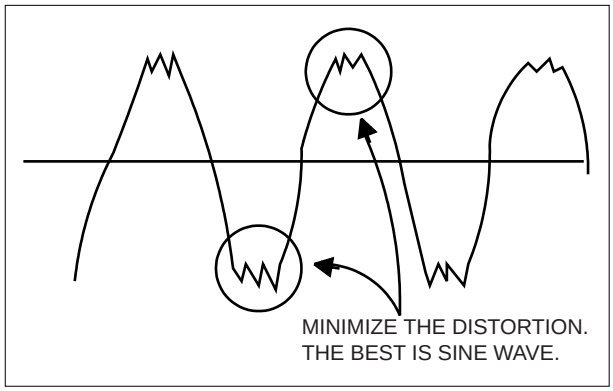
a. Preparations

TAPE	STANDARD COLOR BAR TAPE(MONAURAL)
EQUIPMENT	OSCILLOSCOPE
OTHER	NONE
TEST POINT	CN605 PIN 10
ADDRESS	07
NAME	BPF ADJ

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 07.

e. Insert the Standard Color Bar Tape(monaural) and press the PLAY button.
f. Connect the oscilloscope to the addressed Test Point.
g. Press the "C/RESET(DATA UP)/Z/RTN(DATA DOWN)" button so as to set the waveform to be as below.





h. Be sure to press the "MENU/ENTER(CONFIRM)" button of CAMCORDER to memorize setting.
i. Reset the power source so as to fix the new data to the EEPROM.

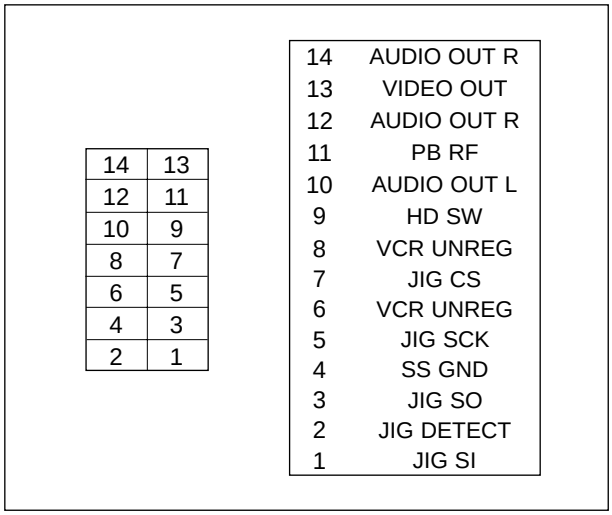
2-13. Audio 1.5MHz

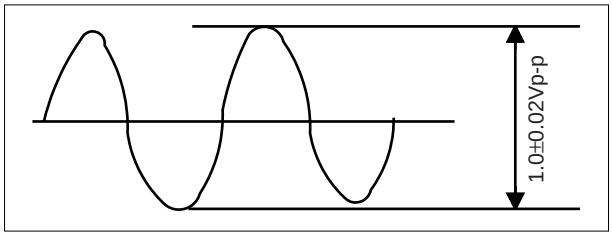
: This adjustment is performed to set the 1.5MHz deviation of the audio recording processor and the adjustment perform in playback mode.
If the audio output level is to be 1Vp-p, the deviation is to be a regulated deviation.

a. Preparations

TAPE	STANDARD COLOR BAR TAPE (MONAURAL)
EQUIPMENT	OSCILLOSCOPE
OTHER	NONE
TEST POINT	CN605 PIN 10
ADDRESS	08
NAME	AUDIO-1.5MHz

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the "DATE/TIME(MODE UP)/TITLE (MODE DOWN)" button of CAMCORDER so as to select the address 08.
e. Insert the Standard Color Bar Tape(monaural) and press the PLAY button.
f. Connect the oscilloscope to the addressed Test Point.
g. Press the "C/RESET(DATA UP)/Z/RTN(DATA DOWN)" button so as to set the waveform to be as below.





h. Be sure to press the "MENU/ENTER(CONFIRM)" button of CAMCORDER to memorize setting.
i. Reset the power source so as to fix the new data to the EEPROM.

2-14. Audio 1.7MHz (HI8)

: This adjustment is performed to set the 1.7MHz deviation of the audio recording processor and the adjustment perform in playback mode.
If the amplitude difference of two waves minimized, the deviation is to be a regulated deviation.

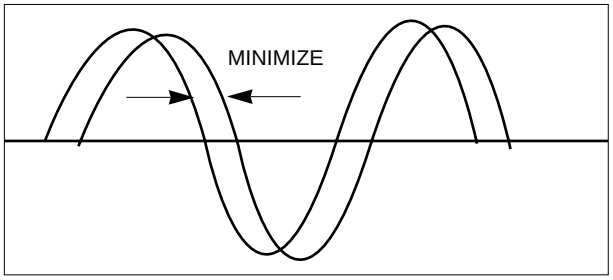
a. Preparations

TAPE	STANDARD COLOR BAR TAPE(STEREO)
EQUIPMENT	OSCILLOSCOPE
OTHER	NONE
TEST POINT	CN605 PIN 12
ADDRESS	09
NAME	AUDIO-1.7MHz
SPEC	THE AMPLITUDE DIFFERENCE BETWEEN TWO WAVES MINIMIZED.

b. Connect a power source.
c. Get into the VCR adjustment mode.
d. Press the “DATE/TIME(MODE UP)/TITLE (MODE DOWN)” button of CAMCORDER so as to select the address 09.
e. Insert the Standard Color Bar Tape(STEREO) and press the PLAY button.
f. Connect the oscilloscope to the addressed Test Point.
g. Press the “C/RESET(DATA UP)/Z/RTN(DATA DOWN)” button so as to set the waveform to be as below.

14	13
12	11
10	9
8	7
6	5
4	3
2	1

14	AUDIO OUT R
13	VIDEO OUT
12	AUDIO OUT R
11	PB RF
10	AUDIO OUT L
9	HD SW
8	VCR UNREG
7	JIG CS
6	VCR UNREG
5	JIG SCK
4	SS GND
3	JIG SO
2	JIG DETECT
1	JIG SI

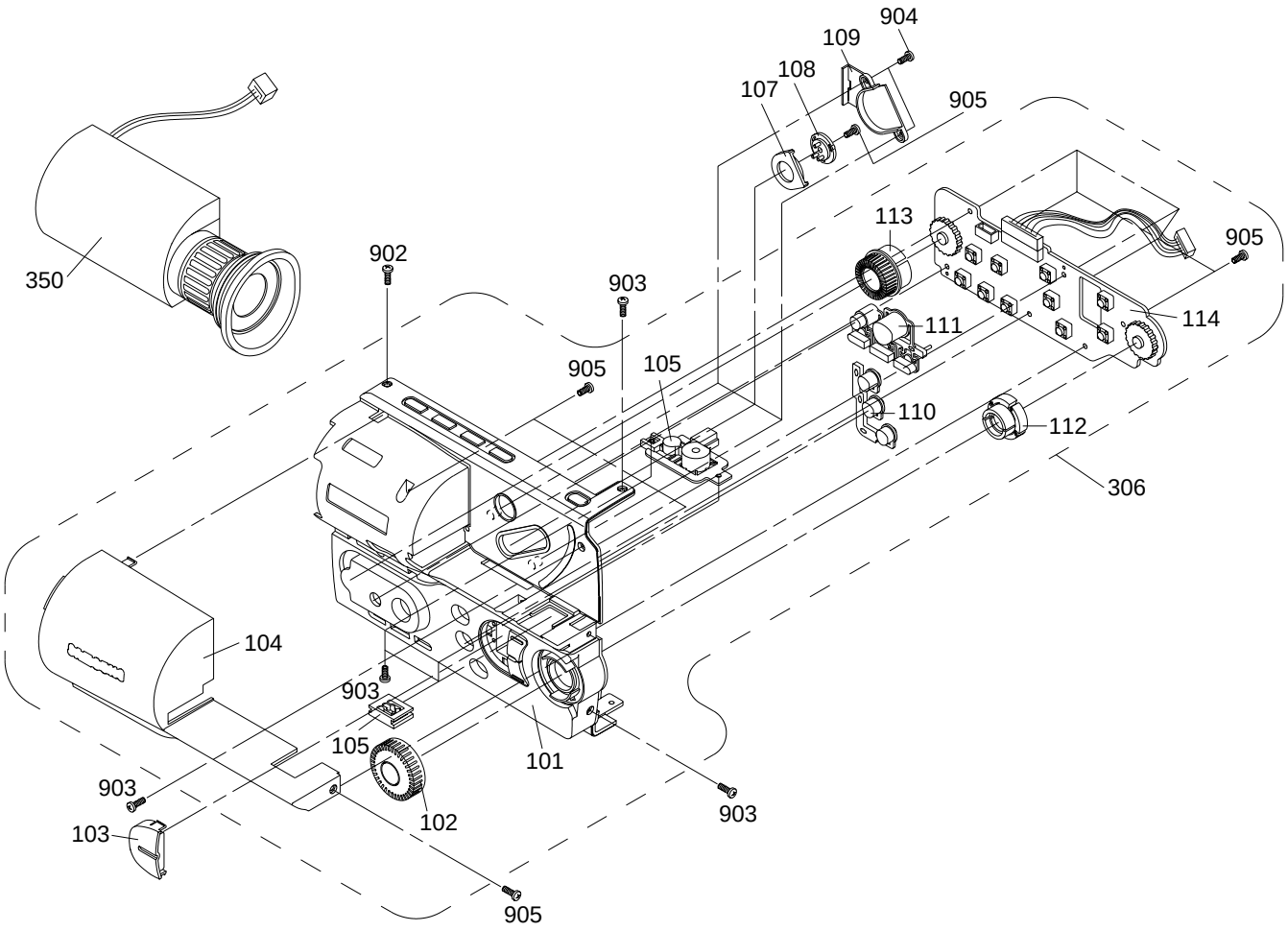


h. Be sure to press the “MENU/ENTER(CONFIRM)” button of CAMCORDER to memorize setting.
i. Reset the power source so as to fix the new data to the EEPROM.

6. Exploded View and Parts List

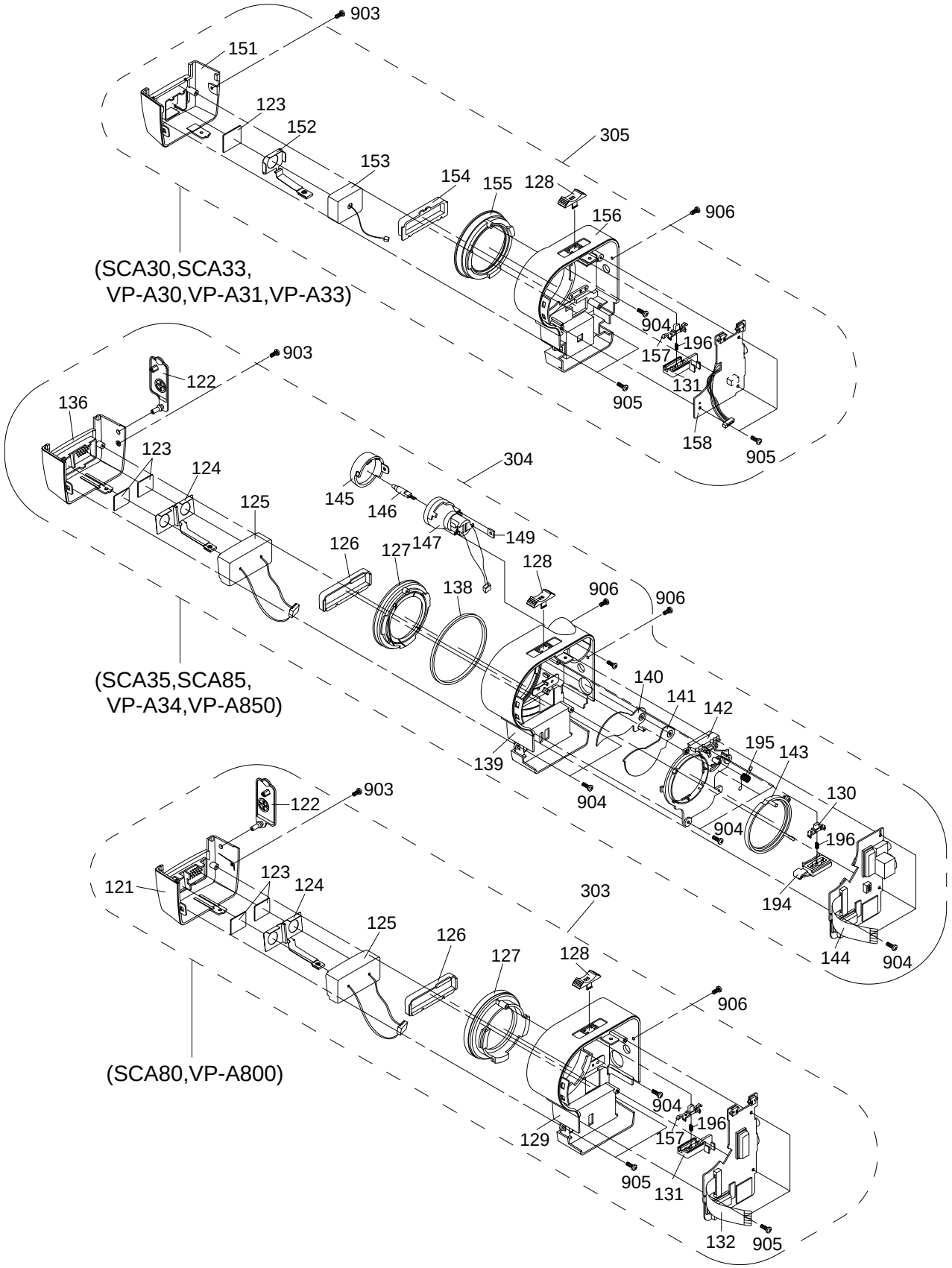
6-1 Cabinet Assembly (1) ---------- 6-2
6-2 Cabinet Assembly (2) ---------- 6-4
6-3 Cabinet Assembly (3) ---------- 6-6
6-4 Cabinet Assembly (4) ---------- 6-8
6-5 EVF (SCA30/VP-A30/VP-A31/VP-A34/VP-A800/VP-A850) -------- 6-10
6-6 CVF (SCA33/SCA35/SCA80/SCA85/VP-A33) ---------- 6-12
6-7 Mechanical Parts (1) ---------- 6-14
6-8 Mechanical Parts (2) ---------- 6-16
6-9 Mechanical Parts (3) ---------- 6-18

6-1 Cabinet Assembly (1)



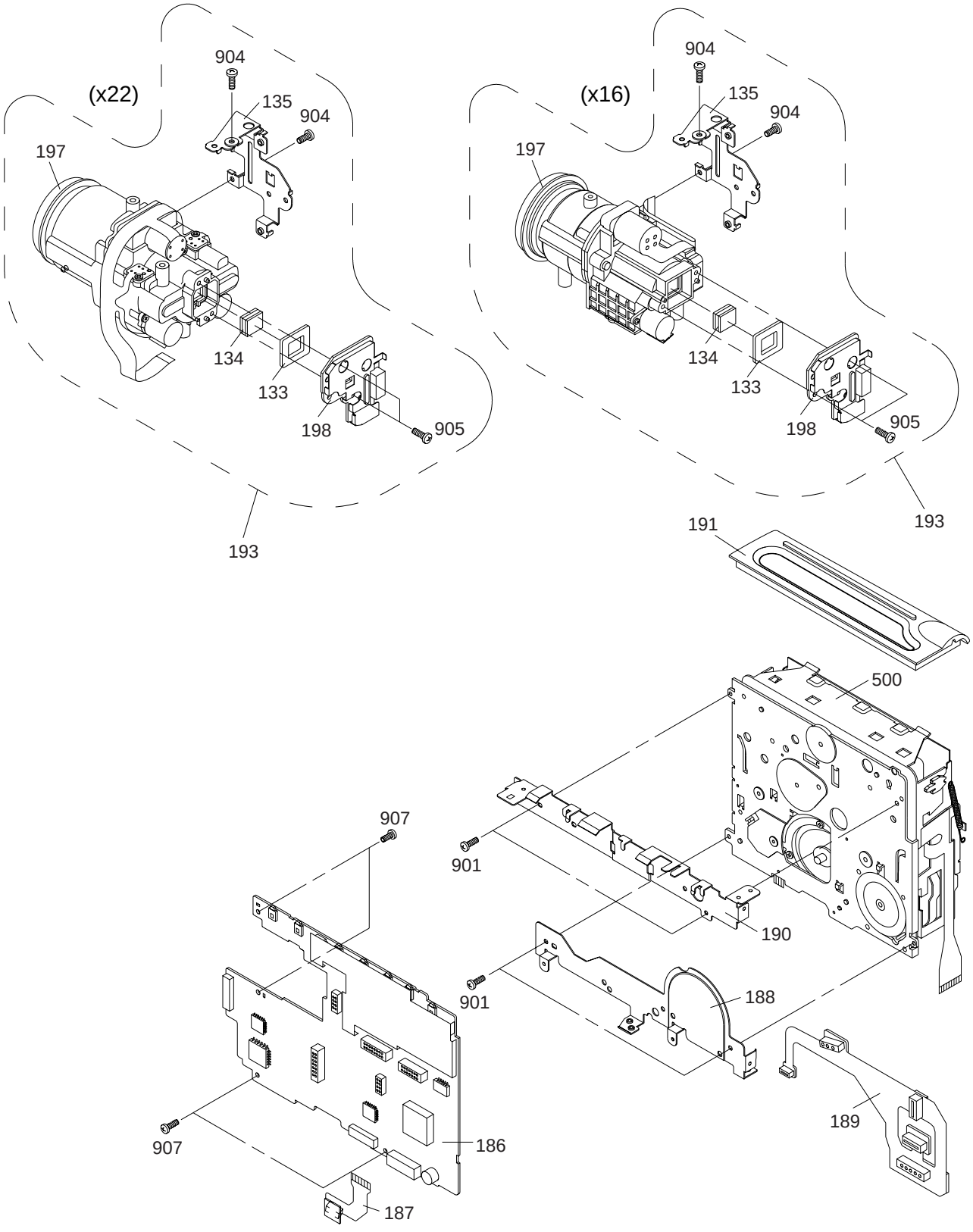
Loc. No	New Part No	Description and Specification	Remark
101	AD64-32016A	CASE-LEFT(C);-,ABS94,HB,-,-,-,22X,VP-A85	VP-A850
	AD64-32016B	CASE-LEFT(C);-,ABS94,HB,-,-,-,22X,VP-A34	VP-A34
	AD64-32016C	CASE-LEFT(C);-,ABS94,HB,-,-,-,22X,VP-A80	VP-A800
	AD64-32016D	CASE-LEFT(C);-,ABS94,HB,-,-,-,22X,SCA35	SCA35
	AD64-32016E	CASE-LEFT(C);-,ABS94,HB,-,-,-,22X,SCA80	SCA80
	AD64-32016F	CASE-LEFT(C);-,ABS94,HB,-,-,-,22X,SCA85	SCA85
	AD64-32024A	CASE-LEFT(A);-,ABS94,HB,-,-,-,16X,VP-A30	VP-A30
	AD64-32024B	CASE-LEFT(A);-,ABS94,HB,-,-,-,16X,VP-A31	VP-A31
	AD64-32024C	CASE-LEFT(A);-,ABS94,HB,-,-,-,16X,VP-A33	VP-A33
	AD64-32024D	CASE-LEFT(A);-,ABS94,HB,-,-,-,16X,SCA30	SCA30
	AD64-32024E	CASE-LEFT(A);-,ABS94,HB,-,-,-,16X,SCA33	SCA33
102	AD64-10897A	KNOB-MENU;-,ABS94,HB,-,-,VP-A850	ALL
103	AD63-30583A	COVER-JIG;-,ABS94,HB,-,-,-,-,VP-A850	ALL
104	AD63-30582A	COVER-LEFT(C);-,ABS94,HB,-,-,-,22X,VP-A8	SCA35/SCA80/SCA85/VP-A34 VP-A800/VP-A850
	AD63-30586A	COVER-LEFT(A);-,ABS94,HB,-,-,-,16X,VP-A3	SCA30/SCA33/VP-A30/VP-A31 VP-A33
105	AD61-21149A	HOLDER-LOCK EVF;-,POM,-,BLK,-,VP-A850	ALL
106	AD98-12026W	ASS'Y-BASE TRIPOD;VP-A85,BLK/AL	ALL
107	AD61-70087A	RAIL-EVF;-,POM,-,-,BLK,-,-	ALL
108	AD61-70088A	RAIL-LOCK;-,ABS94,HB,-,BLK,-,-	ALL
109	AD61-50785A	GUIDE-EVF;-,ABS94,HB,-,BLK,-,-	ALL
110	AD64-11018A	BUTTON-FADE;-,ABS94,HB,-,-,VP-A850	ALL
111	AD64-11015A	BUTTON-BLC;-,ABS94,HB,-,BLC,VP-A30	SCA30/VP-A30
	AD64-11015B	BUTTON-BLC;-,ABS94,HB,-,XDR',VP-A850	VP-A31/VP-A33/VP-A34/VP-A800 VP-A850
	AD64-11015C	BUTTON-BLC;-,ABS94,HB,-,I-BLC,SCA85	SCA33/SCA35/SCA80/SCA85
112	AD61-21150A	HOLDER-MENU;-,POM,-,NTR,-,VP-A850	ALL
113	AD64-10898A	KNOB-MF;-,ABS94,HB,-,-,VP-A850	ALL
114	AD90-10849J	ASS'Y-FUNCTION;EVF,A3	VP-A30/VP-A31/VP-A34/VP-A800 VP-A850/SCA30
	AD90-10849K	ASS'Y-FUNCTION;CVF,A3	VP-A33/SCA33/SCA35/SCA80 SCA85
306	AD98-12026X	ASS'Y-CASE LEFT;VP-A850,22X/Hi8	VP-A850
	AD98-12027P	ASS'Y-CASE LEFT;VP-A30,-	VP-A30
	AD98-12027Q	ASS'Y-CASE LEFT;VP-A31,-	VP-A31
	AD98-12027R	ASS'Y-CASE LEFT;VP-A33,-	VP-A33
	AD98-12027S	ASS'Y-CASE LEFT;VP-A34,-	VP-A34
	AD98-12027T	ASS'Y-CASE LEFT;VP-A80,-	VP-A800
	AD98-12027U	ASS'Y-CASE LEFT;SCA30,-	SCA30
	AD98-12027V	ASS'Y-CASE LEFT;SCA33,-	SCA33
	AD98-12027W	ASS'Y-CASE LEFT;SCA35,-	SCA35
	AD98-12027X	ASS'Y-CASE LEFT;SCA80,-	SCA80
	AD98-12027Y	ASS'Y-CASE LEFT;SCA850,-	SCA85
350	AD90-10842X	ASS'Y-EVF;VP-L300,S8C-PAL LCD NOR	VP-A30/VP-A31/VP-A800
	AD90-10850B	ASS'Y-CVF;VP-A33,PAL,COL,A3-PJ	VP-A33
	AD90-10850C	ASS'Y-CVF;SCA33,COL,NTSC,A3-PJ	SCA33/SCA80
	AD90-10851Z	ASS'Y-EVF;SCA30,NTSC,B/W,A3-PJ	SCA30
	AD94-00034A	ASS'Y-EVF;VP-A34,B/W	VP-A34/VP-A850
	AD94-00035A	ASS'Y-CVF;SCA35,COLOR	SCA35/SCA85
902	AD60-10543A	SCREW-MACHINE;-,BH,+,-,M2,9,BLK,-,BLK	ALL
903	AC60-10020A	SCREW-MACHINE;BH,+,M2,X5,FZB,FE,UP,-,-	ALL
904	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	ALL
905	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	ALL
906	AD60-00002A	SCREW MACHINE;-,-,-,-,-,-,M2X4, -FH, FEN	ALL

6-2 Cabinet Assembly (2)



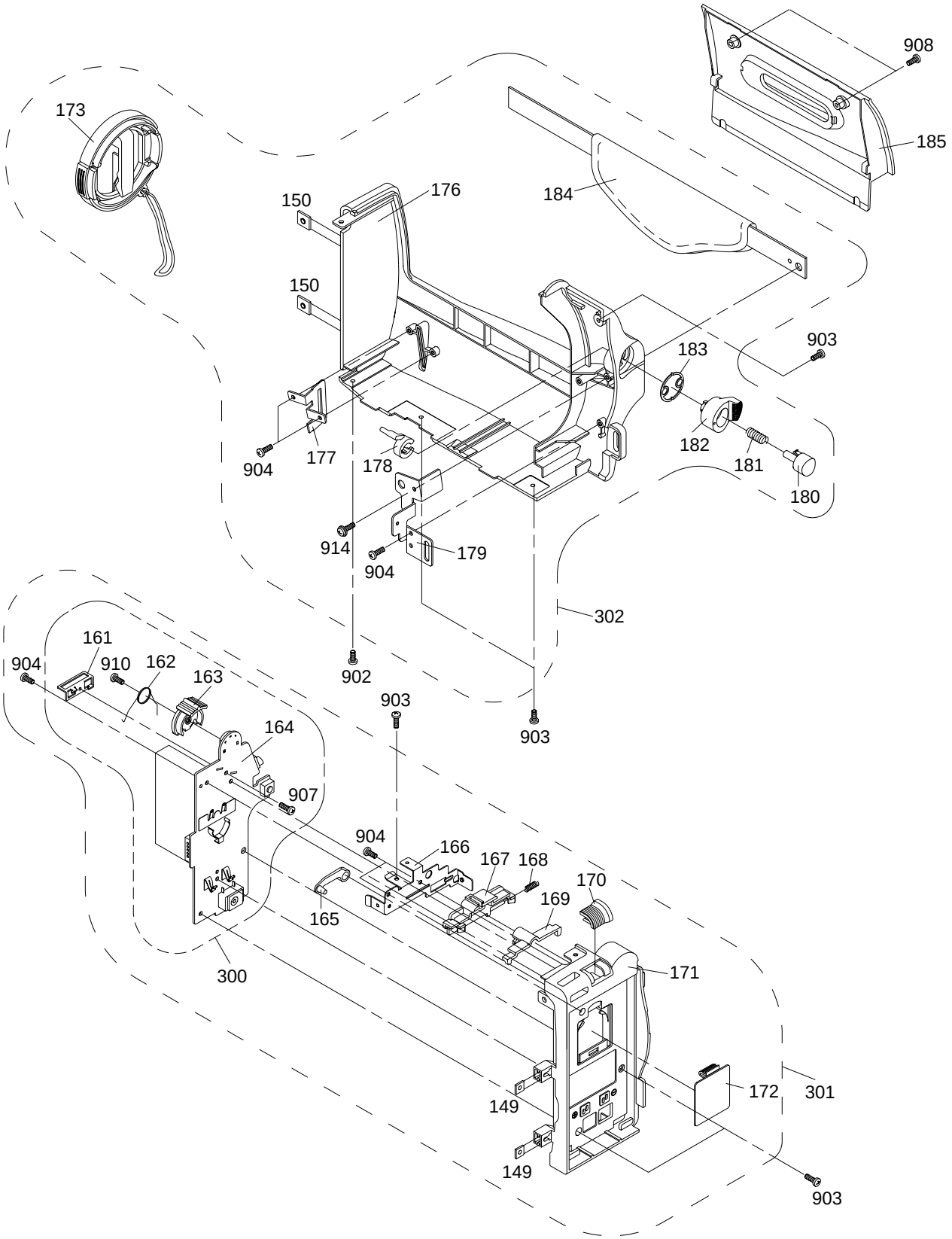
Loc. No	New Part No	Description and Specification	Remark
121	AD63-30588A	COVER-FRONT(B);-,ABS94,HB,-,-,-,22X,VP-A	VP-A800/SCA80
122	AD63-30584A	COVER-JACK(C);-,TPE,-,-,BLK,-,-,VP-A850	SCA35/SCA85/VP-A34/VP-A850
	AD63-30585A	COVER-JACK(B);-,TPE,-,-,BLK,-,-,VP-A80	SCA80/VP-A800
123	AD63-70074A	SHEET-MIC;-,HIMERON,-,-,-,-,-,VP-A850	ALL
124	AD63-40954A	SHIELD-MIC(C);-,SPTE,T0.25,-,VP-A850	SCA35/SCA85/VP-A34/VP-A850
	AD63-40956A	SHIELD-MIC B;-,SPTE,T0.25,-,VP-A80	VP-A800/SCA80
125	AD98-12027C	ASS'Y-MIC;VP-A850/XEU,STEREO(1),-	SCA85/VP-A800/VP-A850/SCA80
	AD98-12027L	ASS'Y-MIC;SCL300,MONO	SCA35/VP-A34
126	AD64-40691A	WINDOW-REMOCON(C);-,PMMA,-,-,BLU,-,VP-A8	SCA85/VP-A800/VP-A850/SCA80
	AD64-40691B	WINDOW-REMOCON(C);-,PMMA,-,-,BLU,22X,MON	SCA35/VP-A34
127	AD67-10203A	LENS-HOOD(B);-,-,PA+ABS BLK,-,-,-,VP-A80	VP-A800/SCA80
128	AD64-10895A	KNOB-POWER;-,PC+ABS,-,BLK,-,SC-L300	ALL
129	AD64-32018A	CASE-FRONT(B);-,PC+ABS,94HB,-,-,-,-,VP-A	VP-A800/SCA80
	AD64-10896A	BUTTON-LOCK;-,ABS94HB,-,-,-,SC-L300	SCA85/VP-A34/VP-A850/SCA35
131	AD61-21152A	HOLDER-POWER;-,ABS,94HB,BLK,-,VP-A80	SCA30/SCA33/SCA80/VP-A30 VP-A31/VP-A33/VP-A800
132	AC90-10800H	ASS'Y-MIC BOARD;SCA800,ST	SCA80/VP-A800
136	AD63-30587A	COVER-FRONT(C);-,ABS94,HB,-,-,-,22X,VP-A	SCA35/SCA85/VP-A34/VP-A850
137	AD67-10204A	LENS-HOOD(C);-,-,PC+ABS BLK,-,-,22X/BILC	SCA35/SCA85/VP-A34/VP-A850
138	AD60-42042A	RING-HOOD(AL);-,-,-,-,-,AL	SCA35/SCA85/VP-A34/VP-A850
139	AD64-32017A	CASE-FRONT(C);-,PC+ABS,94HB,-,-,-,-,VP-A	SCA85/VP-A850
	AD64-32029B	CASE-FRONT(C);-,PC+ABS,94HB,-,-,-,S-JACK	SCA35/VP-A34
140	AD63-32013A	COVER-LENS TOP;-,PC+ABS,-,BLK,-,SC-L300,	SCA35/SCA85/VP-A34/VP-A850
141	AD63-32014A	COVER-LENS BOTTOM;-,PC+ABS,-,BLK,-,SC-L3	SCA35/SCA85/VP-A34/VP-A850
142	AD61-21139A	HOLDER-COVER;-,PC+ABS,-,BLK,-,SC-L350	SCA35/SCA85/VP-A34/VP-A850
143	AD61-21140A	HOLDER-RING;-,POM,-,-,-,SC-L350	SCA35/SCA85/VP-A34/VP-A850
144	AD90-10850K	ASS'Y-FRONT BOARD;VP-A85/SCA85,EIS,REMOC	SCA85/VP-A850
	AD90-10850Z	ASS'Y-FRONT BOARD;VP-L350,NOR,MONO,EIS	SCA35/VP-A34
145	AD64-20624A	MASK-LAMP;-,PC,-,-,CLR,VP-A85	SCA35/VP-A34/SCA85/VP-A850
146	4713-001007	LAMP-HALLOGEN;6V,500mA,3W,YEL,45Lm,-,4.8	SCA35/SCA85/VP-A34/VP-A850
147	AD98-12028B	ASS'Y-LIGHT	VP-A34/VP-A850/SCA35/SCA85
149	AC61-32047A	PLATE-NUT;SECC,T0.8,-,-,SV-V40	SCA35/SCA85/VP-A34/VP-A850
151	AD63-30589A	COVER-FRONT(A);-,ABS94,HB,-,-,-,16X,VP-A	SCA30/SCA33/VP-A30/VP-A31 VP-A33
152	AD63-40955A	SHIELD-MIC A;-,SPTE,T0.25,-,VP-A30	SCA30/SCA33/VP-A30/VP-A31 VP-A33
153	AD98-12027M	ASS'Y-MIC;VP-A30,MONO/16X	SCA30/SCA33/VP-A30/VP-A31 VP-A33
154	AD64-40692A	WINDOW-REMOCON(A);-,PMMA,-,-,BLU,SILK(X)	SCA30/SCA33/VP-A30/VP-A31 VP-A33
155	AD67-10202A	LENS-HOOD(A);-,-,PA+ABS BLK,-,-,16X,VP-A	SCA30/SCA33/VP-A30/VP-A31 VP-A33
156	AD64-32019A	CASE-FRONT(A);-,ABS,94HB,-,-,-,-,VP-A30	VP-A30
	AD64-32019B	CASE-FRONT(A);-,ABS,94HB,-,-,-,P31/P33/N	SCA30/SCA33/VP-A31/VP-A33
157	AD64-11020A	BUTTON-LOCK;-,POM,-,RED,-,VP-A30	SCA30/SCA33/SCA80/VP-A30 VP-A31/VP-A33/VP-A800
158	AC90-10800E	ASS'Y-MIC BOARD;SCA30,MO	SCA30/VP-A30
	AC90-10800F	ASS'Y-MIC BOARD;SCA30,MO	SCA33/VP-A31/VP-A33
194	AD61-21146A	HOLDER-POWER;-,ABS94,HB,-,16X,SC-L350	SCA35/VP-A34/SCA85/VP-A850
195	AD61-60631A	SPRING-COVER;-,-,SWPB,-,-,-,SC-L300	SCA35/VP-A34/SCA85/VP-A850
196	AD61-60601A	SPRING-KNOB POWER;-,-,SUS304 WPB,-,-,-,-	ALL
303	AD98-12028G	ASS'Y-CASE FRONT;VP-A80,-	SCA80/VP-A800
304	AD98-12026Y	ASS'Y-CASE FRONT;VP-A85,22X/Hi8	SCA85/VP-A850
	AD98-12028F	ASS'Y-CASE-FRONT	VP-A34/SCA35
305	AD98-12028C	ASS'Y-CASE FRONT;VP-A30,-	VP-A30
	AD98-12028D	ASS'Y-CASE FRONT;VP-A31,-	SCA33/VP-A31/VP-A33
	AD98-12028H	ASS'Y-CASE FRONT;SCA30,-	SCA30
903	AC60-10020A	SCREW-MACHINE;BH,+,M2,X5,FZB,FE,UP,-,-	ALL
904	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	ALL
905	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	ALL
906	AD60-00002A	SCREW MACHINE;-,-,-,-,-,-,M2X4, -FH, FEN	ALL

6-3 Cabinet Assembly (3)



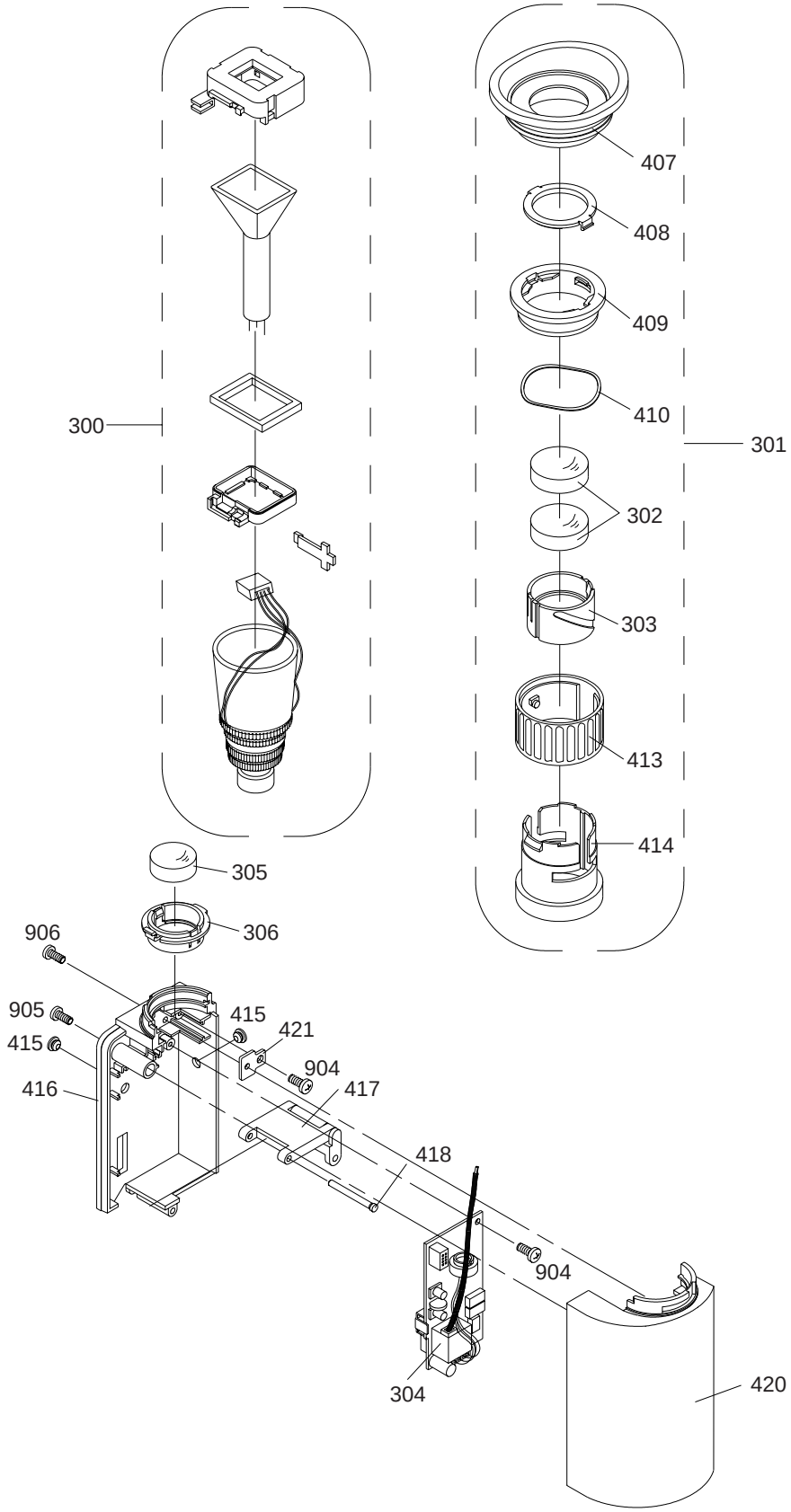
Loc. No	New Part No	Description and Specification	Remark
133	AD63-62002A	SPACER-CCD;-,SILICONE,T1,BLK,-,VP-A57	VP-A30/VP-A31/VP-A33/SCA30 SCA33
	AD63-62008A	SPACER-CCD	VP-A34/VP-A800/VP-850/SCA35 SCA80/SCA85
134	AD29-92001D	FILTER-OLP;SV-2C04MM,KSS,SPACE,TR	SCA30/SCA33/SCA35/VP-A30 VP-A31/VP-A33
	AD29-92001E	FILTER;SV-3C08MM,KSS,SPACE,TR	SCA80/SCA85/VP-A34/VP-A800 VP-A850
135	AD61-12048A	BRACKET-LENS;-,SUS T0.5,SC-L300	ALL
186	AD90-10847K	ASS'Y-MAIN BOARD;VP-A85,PAL	VP-A850
	AD90-10847L	ASS'Y-MAIN BOARD;SCA85,NTSC	SCA85
	AD90-10848N	ASS'Y-MAIN BOARD;VP-A80,PAL	VP-A800
	AD90-10848P	ASS'Y-MAIN BOARD;VP-A34,PAL	VP-A34
	AD90-10848Q	ASS'Y-MAIN BOARD;VP-A33,PAL	VP-A33
	AD90-10848R	ASS'Y-MAIN BOARD;VP-A30,PAL	VP-A30
	AD90-10848S	ASS'Y-MAIN BOARD;SCA35,NTSC	SCA35
	AD90-10848T	ASS'Y-MAIN BOARD;SCA33,NTSC	SCA33
	AD90-10848U	ASS'Y-MAIN BOARD;SCA30,NTSC	SCA30
	AD90-10854M	ASS'Y-MAIN BOARD;VP-A31,PAL	VP-A31
	AD97-00274A	ASS'Y--MAIN BOARD;SCA800,-,-	SCA80
187	AD94-00005A	ASS'Y-FPC,C;A3/S3,ROTARY-FPC	ALL
188	AD61-00054A	CHASSIS-BOTTOM;-,STS,-,0.6,-,-,VP-A850	ALL
189	AD90-10832B	ASS'Y-FPC DECK;VP-A20,DECK	ALL
190	AD61-11074A	CHASSIS-TOP;-,STS,-,T0.6,-,-,VP-A85	ALL
191	AD98-12027D	ASS'Y-CASE TOP;SC-L300,-	ALL
193	AD97-00592A	ASS'Y-CAMERA;A3,-,X22,570K,SAMSUNG	VP-A34/VP-A850
	AD97-00594A	ASS'Y-CAMERA;-,-,X22,470K,SAMSUNG	VP-A800/SCA80/SCA85
	AD97-00595A	ASS'Y-CAMERA;A3,-,X22,270K,SAMSUNG	SCA35
	AD90-10854T	ASS'Y-CAMERA;VP-A30,PAL	VP-A30/VP-A31/VP-A33
	AD90-10854W	ASS'Y-CAMERA;SCA30,NTSC	SCA30/SCA33
197	AD97-00596A	ASS'Y-LENS;A3,-,X22,NORMAL,SAMSUNG	SCA35
	AD97-00597A	ASS'Y-LENS;-,-,X22,HI8,SAMSUNG	VP-A34/VP-A800/VP-A850 SCA80/SCA85
	AD90-10854B	ASS'Y-LENS;X16,LENS	VP-A30/VP-A31/VP-A33 SCA30/SCA33
198	AD90-10849X	ASS'Y-CCD BOARD;VP-A85,Hi8,EIS	VP-A34/VP-A850
	AD90-10849Y	ASS'Y-CCD BOARD;SCA85,Hi8,EIS	VP-A800/SCA80/SCA85
	AD97-00076A	ASS'Y--CCD;A3,PAL,-,-	VP-A30/VP-A31/VP-A33
	AD97-00077A	ASS'Y--CCD;A3,NTSC,-,-	SCA30/SCA33
	AD97-00232A	ASS'Y--CCD;270K,X22,-,-	SCA35
500	AD97-00282A	ASS'Y-DECK	SCA30/SCA33/SCA35/SCA80 SCA85
	AD97-00283A	ASS'Y-DECK	VP-A30/VP-A31/VP-A33/VP-A34 VP-A800/VP-A850
901	AC60-10017A	SCREW-MACHINE;BH,+,M1.7,X3.5,FEFZY,SWCH1	ALL
904	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	ALL
905	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	ALL
907	AC60-10024A	SCREW-MACHINE;BH,+,M2,X3,FZW,FE,-,-,-	ALL

6-4 Cabinet Assembly (4)



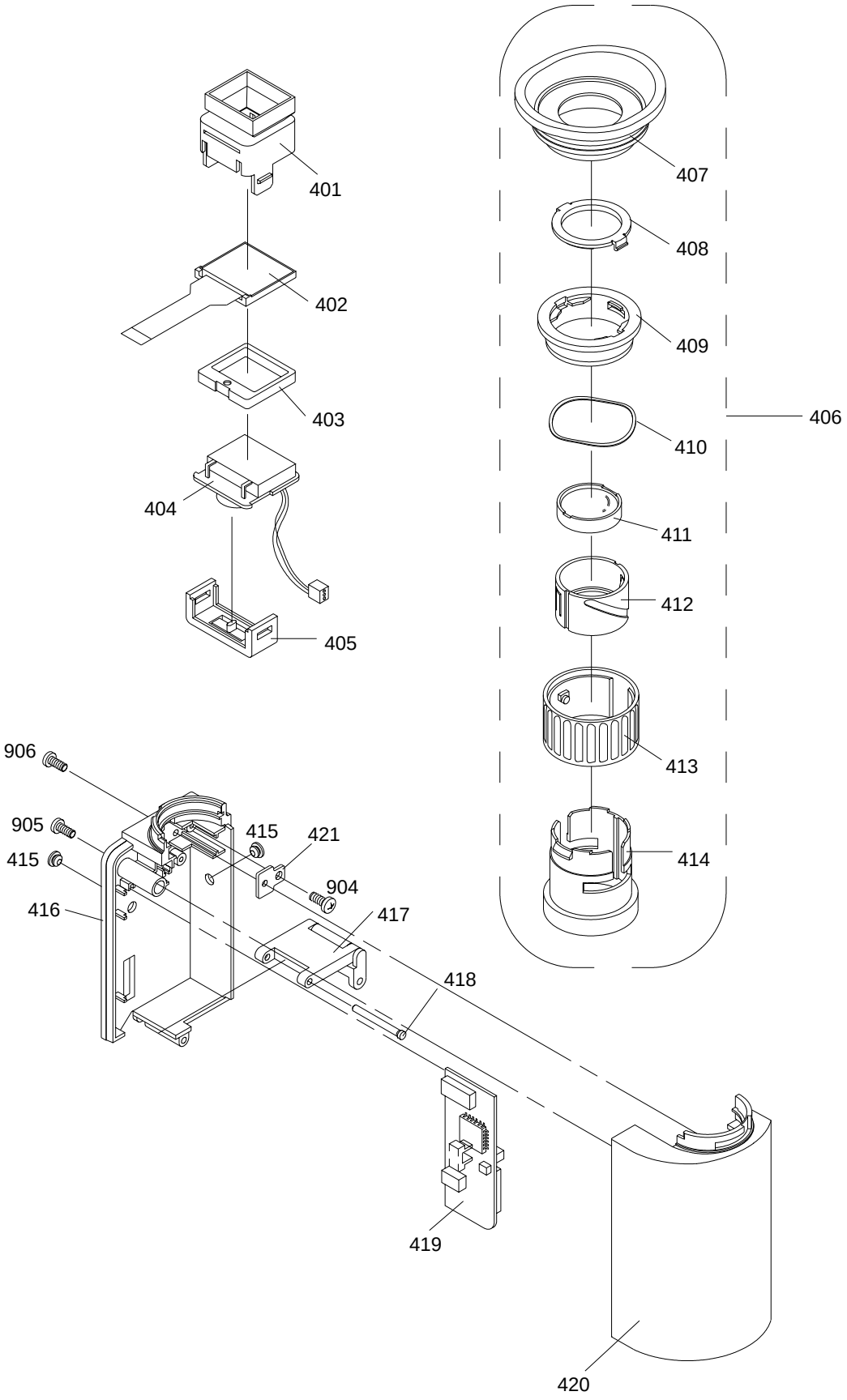
Loc. No	New Part No	Description and Specification	Remark
149	AC61-32047A	PLATE-NUT;SECC,T0.8,-,-,SV-V40	ALL
150	AC61-20223A	HOLDER-LOCK;SECC,T1.0,NAT,-,-,-	ALL
161	AD61-22014A	HOLDER-ZOOM;-,ABS94HB,T0.8,-,-,-	ALL
162	AD61-60568A	SPRING-ZOOM;-,-,SUS304,-,D0.55,-,SV-S99	ALL
163	AD64-10893A	KNOB-ZOOM;-,PC+ABS,-,-,-,SC-L300	ALL
164	AD99-90003B	ASS'Y-REAR BOARD,m;VP-L300/XEU,S8C-PAL LC	SCA30/SCA33/SCA80/VP-A30 VP-A31/VP-A33/VP-A800
	AD99-90003G	ASS'Y-REAR BOARD,m;VP-L350/XEU,S8C-PAL LC	SCA35/SCA85/VP-A34/VP-A850
165	AD61-21155A	HOLDER-PUSH BATT;-,POM,-,BLACK,SCL300,-	ALL
166	AD61-12047A	BRACKET-BATT.EJECT;SUS T0.5 SC-L300,-,-	ALL
167	AD61-21138A	HOLDER-BATTERY EJECT;-,POM94,HB,BLK,-,SC	ALL
168	AD61-60636A	SPRING-BATT.;-,-,SUS304,-,PWD,-,SCL300	ALL
169	AD61-30234A	LOCKER-BATTERY EJECT;-,PC94,HB,BLK,-,SC-	ALL
170	AD64-10892A	KNOB-BATTERY;-,ABS94,HB,-,-,SC-L300	ALL
171	AD64-32023A	CASE-REAR;-,ABS94,HB,-,-,-,A3-PJ,VP-A850	ALL
172	AC63-30040A	COVER-LI BATTERY;PP,HB,T1.5,BLK,H3.5,-,V	ALL
173	AD59-10566A	UNIT-CAP HOOD;A3/S3,-	SCA30/SCA33/SCA80/VP-A30 VP-A31/VP-A33/VP-A800
176	AD64-32005A	CASE-RIGHT;-,ABS94,HB,-,-,-,-,SC-L300	ALL
177	AD61-12045A	BRACKET-GRIP FRONT;-,SUS T1.2,SC-L300,-,	ALL
178	AD61-21137A	HOLDER-START/STOP;-,POM,-,-,-,SC-L300	ALL
179	AD61-12046A	BRACKET-GRIP BACK;-,SUS T0.8,SC-L300	ALL
180	AD64-10890A	BUTTON-REC/STOP;-,ABS94,HB,-,-,SC-L300	ALL
181	AD61-60521A	SPRING-REC;-,TS,SWPB,0.25,4.3,-,SC-80	ALL
182	AD64-10891A	KNOB-START/STOP;-,ABS94,HB,-,-,SC-L300	ALL
183	AD61-60533A	SPRING-REC STOP;-,-,STS,T0.2,-,-,VP-A57	ALL
184	AD63-10219A	GRIP-BELT ASS'Y;-,LEATHER,-,-,BLK,-,SC-L3	ALL
185	AD97-00246A	ASS'Y-COVER HOUSING;VP-A800,-,HI8,LABEL(X	SCA80/VP-A800
	AD97-00247A	ASS'Y-COVER HOUSING	VP-A34/SCA35
	AD98-12027A	ASS'Y-COVER HOUSING	VP-A850/SCA85
	AD98-12027E	ASS'Y-COVER HOUSING;SC-L300,-	SCA30/SCA33/VP-A30/VP-A31 VP-A33
300	AD90-10841K	ASS'Y-REAR BOARD;VP-L300/XEU,S8C-PAL LCD	SCA30/SCA33/SCA80/VP-A30 VP-A31/VP-A33/VP-A800
	AD90-10852M	ASS'Y-REAR BOARD;VP-L350/XEU,LIGHT,S8C-PA	SCA35/SCA85/VP-A34/VP-A850
301	AD98-12026Z	ASS'Y-CASE-REAR;VP-A30,LIGHT(X)	SCA30/SCA33/SCA80/VP-A30 VP-A31/VP-A33/VP-A800
	AD98-12029Z	ASS'Y-CASE REAR;VP-A850,LIGHT(O)	SCA35/SCA85/VP-A34/VP-A850
302	AD98-12027F	ASS'Y-CASE RIGHT;SC-L300,-	SCA30/SCA33/SCA80/VP-A30 VP-A31/VP-A33/VP-A800
	AD98-12029Y	ASS'Y-CASE RIGHT;SV-L350,NTSC,-	SCA35/SCA85/VP-A34/VP-A850
902	AD60-10543A	SCREW-MACHINE;-,BH,+,-,M2,9,BLK,-,BLK	ALL
903	AC60-10020A	SCREW-MACHINE;BH,+,M2,X5,FZB,FE,UP,-,-	ALL
904	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	ALL
907	AC60-10024A	SCREW-MACHINE;BH,+,M2,X3,FZW,FE,-,-,-	ALL
908	AD60-10001A	SCREW-MACHINE;BH,B,1.7*5.5,-,FE,BLACK,-,	ALL
910	AD60-10510A	SCREW-MACHINE;-,PLAN,+,-,M1.4X5,5,BLK,FE	ALL
914	AD60-00003A	SCREW-TAPTITE;-,+,-,H8.5,2X6,-	ALL

6-5 EVF (SCA30/VP-A30/VP-A31/VP-A34/VP-A800/VP-A850)



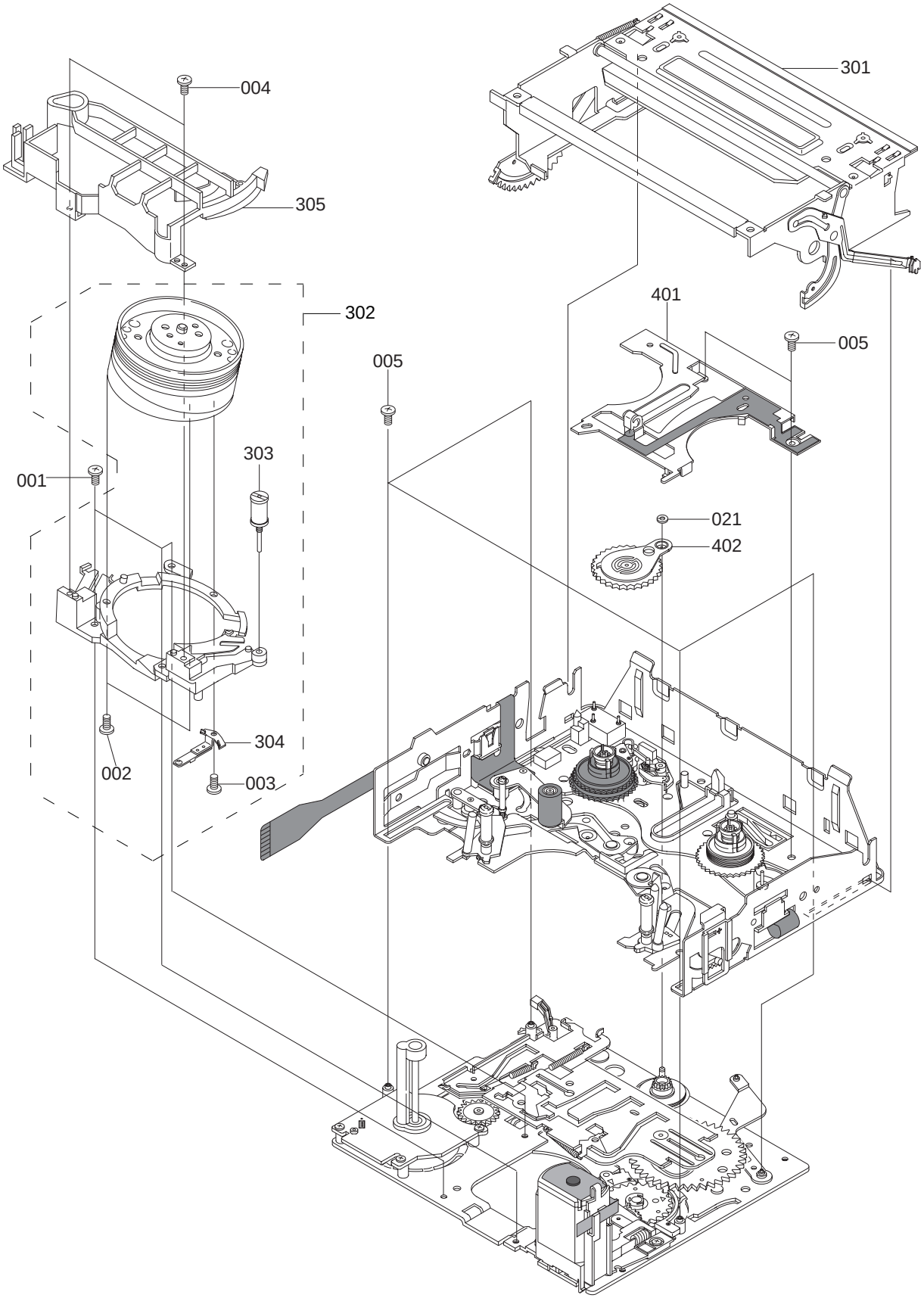
Loc. No	New Part No	Description and Specification	Remark
300	AC90-10012V	ASS'Y-CRT;CS96(SPORTS),-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
301	AD98-11265G	ASS'Y-EVF LENS;A3-PJ,B/W	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
302	AC67-12070A	LENS-EVF(MD);PMMA D19.1 ASP,-,-,-,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
303	AD61-22029A	HOLDER-LENS A;-,ABS94,HB,BLK,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
304	AD90-10850M	ASS'Y-EVF BOARD;SC-L350,NTSC -A3/S3/CS99	SCA30
	AD90-10850N	ASS'Y-EVF BOARD;VP-L350,PAL-A3/S3/CS99	VP-A30/VP-A31/VP-A34/VP-A800 VP-A850
305	AC67-10066A	LENS-EVF GJ;-,OPT,GRASS-F1,D11.5,-,CG819	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
306	AD61-21142A	HOLDER-LENS B;-,ABS94,HB,BLK,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
407	AD73-10049A	RUBBER-EYE CUP;TPR BLK,-,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
408	AD61-50783A	GUIDE-LOCK;-,ABS94,HB,-,-,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
409	AD61-50782A	GUIDE-CAP;-,ABS94,HB,-,-,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
410	AD61-60632A	SPRING-EVF;-,-,SUS304 T0.3,-,-,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
413	AD60-42038A	RING-EVF;-,ABS94,HB,-,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
414	AD60-42039A	RING-GUIDE;-,ABS94,HB,-,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
415	AD61-20918B	CAP-FOCUS;-,MBR,-,BLK,-,VP-K70	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
416	AD64-32009A	CASE-EVF R;-,ABS94,V0,-,-,-,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
417	AD66-80164A	LINK-EVF;-,POM,-,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
418	AD61-50781A	SHAFT-LOCK;-,C3602BD,-,-,-,-,-	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
420	AD64-32008A	CASE-EVF L;-,ABS94,V0,-,-,B/W,NTSC,SCA3	SCA30
	AD64-32008C	CASE-EVF L;VP-A850,ABS94,V0,16X,B/W,PAL,	VP-A30/VP-A31/VP-A34/VP-A800 VP-A850
421	AD61-00032A	PLATE--EVF;-,-,-,SECC-P, T0.8,A3-PJ	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
904	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
905	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850
906	AD60-00002A	SCREW MACHINE;-,-,-,-,-,-,M2X4, -FH, FEN	SCA30/VP-A30/VP-A31/VP-A34 VP-A800/VP-A850

6-6 CVF (SCA33/SCA35/SCA80/SCA85/VP-A33)



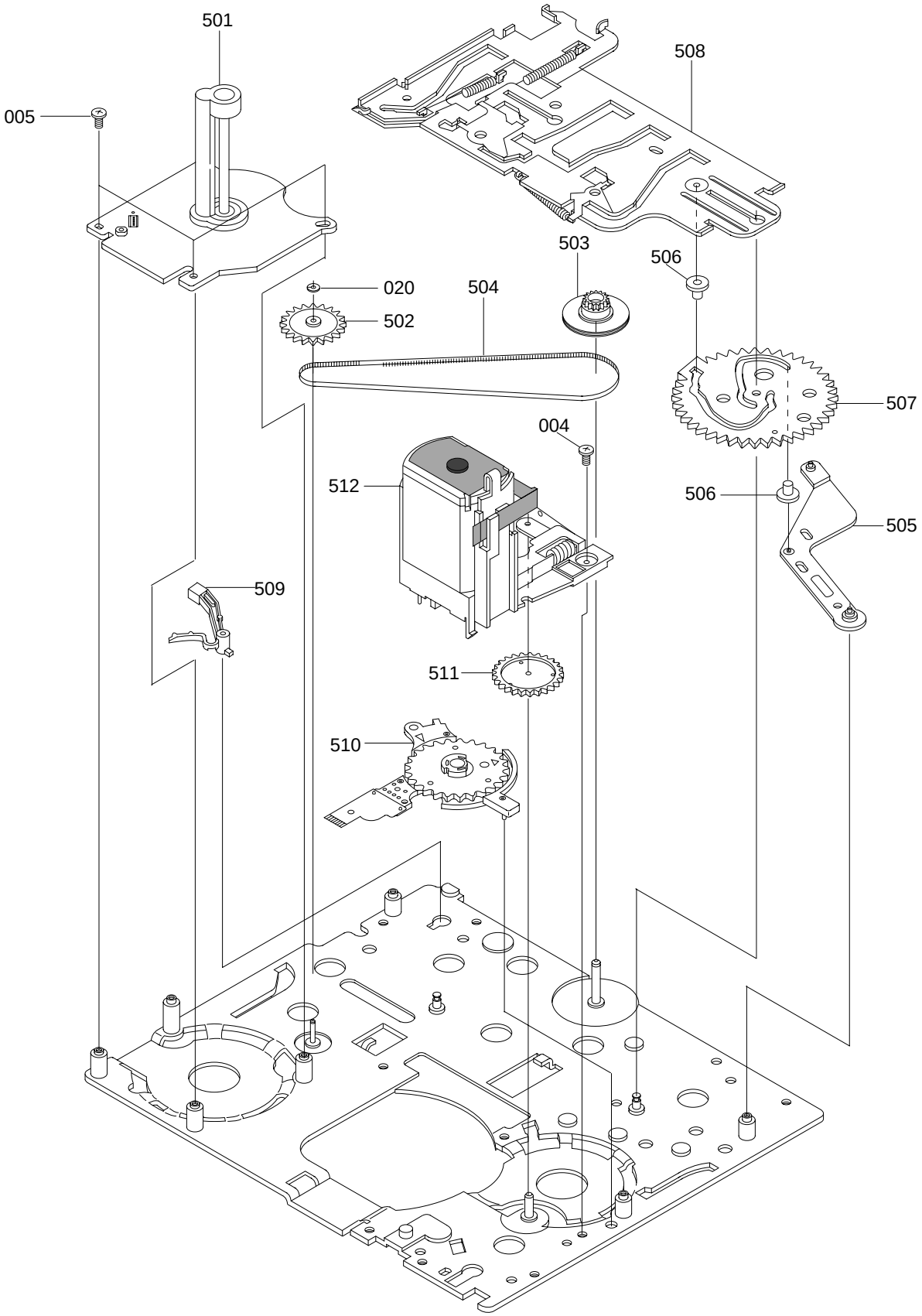
Loc. No	New Part No	Description and Specification	Remark
401	AD61-21045A	HOLDER-LCD;-,PC/ABS,VO,-,-,VP-A20	SCA33/SCA35/SCA80/SCA85 VP-A33
402	AC07-10001L	LCD DISPLAY;LCX005BKB,COLOR,537x227,0.5	SCA33/SCA35/SCA80/SCA85 VP-A33
403	AD61-50708A	GUIDE-LIGHT;-,ABS94V0,-,T1.5,BLK,-,SV-S9	SCA33/SCA35/SCA80/SCA85 VP-A33
404	AD90-10850J	ASS'Y-B/L BOARD;A3-P/J,NTSC,PAL	SCA33/SCA35/SCA80/SCA85 VP-A33
405	AD61-21045A	HOLDER-LIGHT;-,ABS94,HB,BLK,-,SV-S99	SCA33/SCA35/SCA80/SCA85 VP-A33
406	AD98-11265J	ASS'Y-CVF LENS;VP-A20,BW	SCA33/SCA35/SCA80/SCA85 VP-A33
407	AD73-10049A	RUBBER-EYE CUP;TPR BLK,-,-,-	SCA33/SCA35/SCA80/SCA85 VP-A33
408	AD61-50783A	GUIDE-LOCK;-,ABS94,HB,-,-,-,-	SCA33/SCA35/SCA80/SCA85 VP-A33
409	AD61-50782A	GUIDE-CAP;-,ABS94,HB,-,-,-,-	SCA33/SCA35/SCA80/SCA85 VP-A33
410	AD61-60632A	SPRING-EVF;-,-,SUS304 T0.3,-,-,-,-	SCA33/SCA35/SCA80/SCA85 VP-A33
411	AD67-10196A	LENS-EVF;-,-,PMMA,-,-,CLR,-	SCA33/SCA35/SCA80/SCA85 VP-A33
412	AD61-22030A	HOLDER-LENS;-,ABS94,HB,-,-,VP-A20	SCA33/SCA35/SCA80/SCA85 VP-A33
413	AD60-42038A	RING-EVF;-,ABS94,HB,-,-,-	SCA33/SCA35/SCA80/SCA85 VP-A33
414	AD60-42039A	RING-GUIDE;-,ABS94,HB,-,-,-	SCA33/SCA35/SCA80/SCA85 VP-A33
415	AD61-20918B	CAP-FOCUS;-,MBR,-,BLK,-,VP-K70	SCA33/SCA35/SCA80/SCA85 VP-A33
416	AD64-32009A	CASE-EVF R;-,ABS94,V0,-,-,-,-,-	SCA33/SCA35/SCA80/SCA85 VP-A33
417	AD66-80164A	LINK-EVF;-,POM,-,-,-	SCA33/SCA35/SCA80/SCA85 VP-A33
418	AD61-50781A	SHAFT-LOCK;-,C3602BD,-,-,-,-,-	SCA33/SCA35/SCA80/SCA85 VP-A33
419	AD90-10850G	ASS'Y-CVF BOARD;A3-P/L,PAL	VP-A33
	AD90-10850H	ASS'Y-CVF BOARD;A3-P/L,NTSC	SCA33/SCA35/SCA80/SCA85
420	AD64-32008B	CASE-EVF L;SCA85,ABS94,V0,X22.COLOR,NTS	SCA33/SCA35/SCA80/SCA85
	AD64-32008D	CASE-EVF L;VP-A85,ABS94,V0,22X,COLOR,PAL	VP-A33
421	AD61-00032A	PLATE--EVF;-,-,-,SECC-P, T0.8,A3-PJ	SCA33/SCA35/SCA80/SCA85 VP-A33
904	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	SCA33/SCA35/SCA80/SCA85 VP-A33
905	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	SCA33/SCA35/SCA80/SCA85 VP-A33
906	AD60-00002A	SCREW MACHINE;-,-,-,-,-,-,M2X4, -FH, FEN	SCA33/SCA35/SCA80/SCA85 VP-A33

6-7 Mechanical Parts (1)



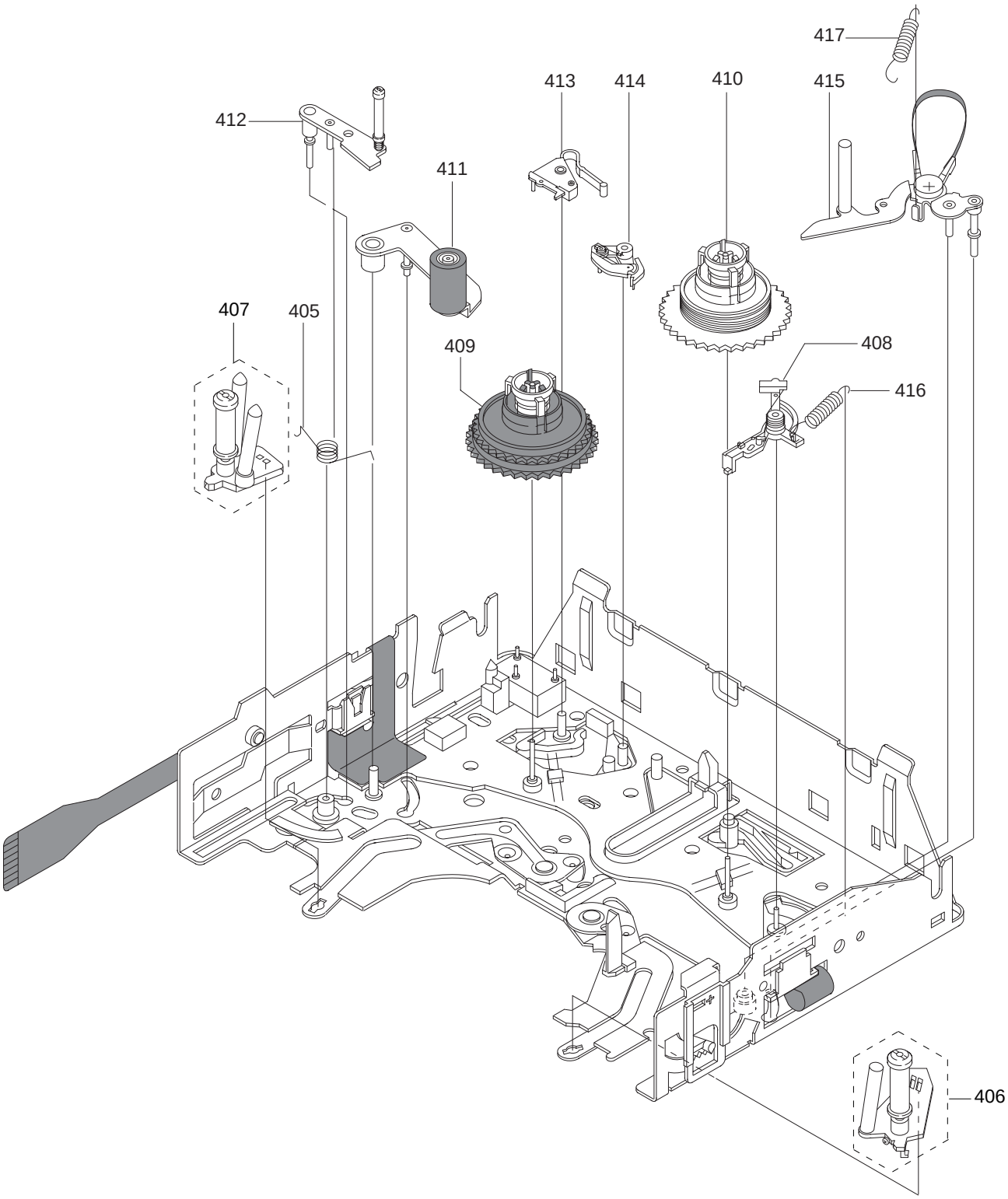
Loc. No	New Part No	Description and Specification	Remark
001	AC60-12083A	SCREW-MACHINE;B,BH,-,M1.7,L5,FE,WHT,-,-	
002	AD60-10500E	SCREW-MACHINE;-,BWSH,+,UP,M2,L5,ZPCNYLOK	
003	AD60-10500D	SCREW-MACHINE;-,BWSH,+,UP,M2,L7,ZPCNYLOK	
004	AC60-10017A	SCREW-MACHINE;BH,+,M1.7,X3.5,FEFZY,SWCH1	
005	AC60-12112A	SCREW-BH;-,BH,+,M1.4,L2,-	
021	AC60-30015A	WASHER-SLIT;ID 1.1,OD 2.6,T 0.4,POLYSLID	
301	AD96-10473P	ASS'Y-HOUSING;DE-6B,-	
302	AD96-10471Z	ASS'Y-DRUM;DE6A-PH-SS,-	VP-A30/VP-A31/VP-A33/VP-A34 VP-A800/VP-A850
	AD96-10471Y	ASS'Y-DRUM;DE6A-NH-SS,-	SCA30/SCA31/SCA33/SCA35 SCA80/SCA85
303	AD66-40153A	ROLLER-IMP ASS'Y;-,YF-10,OD7,-,DE-6	
304	AC61-72009A	CONTACT-EARTH BRUSH;SECC/PBSP/CR/C,-,-,-	
305	AC63-32091A	COVER-DRUM;DURACON(M90-44),-,-,-,-,-,DE-	
401	AC63-30009A	COVER-REEL ASS'Y;ABS 95,HB,-,-,-,-,DE-6,-	
402	AC66-12035A	IDLER-ASS'Y;-,-,DE-6	

6-8 Mechanical Parts (2)



Loc. No	New Part No	Description and Specification	Remark
004	AC60-10017A	SCREW-MACHINE;BH,+,M1.7,X3.5,FEFZY,SWCH1	
005	AC60-12112A	SCREW-BH;-,BH,+,M1.4,L2,-	
020	AC60-30017A	WASHER-SLIT;ID 1,OD 2.6,T 0.4,POLYSLIDER	
501	AD31-12010A	MOTOR-CAPSTAN;DE-6B SHS,-,-	
	AD31-12001Q	MOTOR-CAPSTAN;DMCCHL06A(DE-6),-,-	
502	AC66-22123A	GEAR-CAPSTAN(ASS'Y);-,-,-,-,-,DE-6	
503	AC66-22124A	GEAR-PULLEY(ASS'Y);-,-,-,-,-,DE-6	
504	AC66-62001A	BELT-TIMMING;POLYURETHAN,L137 T0.4,-,-,-	
505	AC66-32197A	LEVER-CAM;SUS430-CP,T0.6,-,-,DE-6,-	
506	AC66-42005A	ROLLER-CAM MAIN;SUS303,-,-,PI3.5X1.1	
507	AC66-22092A	GEAR-CAM MAIN;SUS304-CSP,M0.5,Z64,-,-,-	
508	AC66-82055A	SLIDER-MAIN(ASS'Y);-,-,-,-,DE-6	
509	AC66-32198A	LEVER-EJECT;DURANEX #3300,-,-,-,DE-6,-	
510	AC34-22001C	SWITCH-MODE ASS'Y;HMW0484-01WA,DE-6,-,-,-	
511	AC66-22126A	GEAR-LOADING;DURACON(99-44),M0.4,Z37 WO,	
512	AC31-12001P	MOTOR-LOADING ASS'Y;DE-6,-,-	

6-9 Mechanical Parts (3)



Loc. No	New Part No	Description and Specification	Remark
405	AD61-60622A	SPRING-REVIEW ARM;PS SUS304-WPB PI0.3	
406	AC61-52014A	POLE-BASE S(ASS'Y);ZDC2/SUS303,-,-,-,-,DE	
407	AC61-52015A	POLE-BASE T(ASS'Y);ZDC2/SUS303,-,-,-,-,DE	
408	AC66-32221A	BRAKE-SUB S(ASS'Y);-,-,-,-,DE-6,-	
409	AC66-12042A	REEL-T(ASS'Y);-,-,-,DE-6	
410	AC66-12041A	REEL-S(ASS'Y);-,-,-,DE-6	
411	AC66-32217A	ARM-PINCH ROLLER(ASS;-,-,-,-,DE-6	
412	AC66-32213A	ARM-REVIEW ASS'Y;-,-,-,-,DE-6	
413	AC66-32223A	BRAKE-MAIN(T);DURACON(M904-44),-,-,-,-,-	
414	AC66-30120A	BRAKE-SOFT T (ASS'Y);-,-,-,-,DE-6,-	
415	AC66-30093A	ARM-TENSION (ASS'Y);SUS304-CSP POM FELT,-	
416	AC61-62022A	SPRING-SOFT BRAKE(S);-,SUS304,-,-,-,-,-	
417	AC61-62023A	SPRING-TENSION;-,SUS304-WPB,-,-,-,-,-	

7. Electrical Parts List

Loc. No	Part No	Desc & Spec	Remark
		ASS'Y-EVF BOARD	
CE01	2203-000315	C-CERAMIC,CHIP;120pF,5%,50V,NPO,TP,1608,	PAL/NTSC
CE02	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	PAL/NTSC
CE03	2404-000112	C-TA,CHIP;100uF,20%,6.3V,WT,7343,-,TP	PAL/NTSC
CE04	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	PAL/NTSC
CE05	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	PAL/NTSC
CE06	2309-001001	C-FILM,CHIP;100nF,5%,16V,3.2x2.5x2.0mm,-	PAL/NTSC
CE07	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	PAL/NTSC
CE08	2404-000128	C-TA,CHIP;10uF,20%,16V,-,TP,6032,-	PAL/NTSC
CE09	2203-000357	C-CERAMIC,CHIP;150pF,5%,50V,NPO,TP,1608,	PAL/NTSC
CE10	2402-000144	C-AL,SMD;3.3uF,20%,50V,GP,TP,4.3x4.3x5.	PAL/NTSC
CE11	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	PAL/NTSC
CE12	2404-000112	C-TA,CHIP;100uF,20%,6.3V,WT,7343,-,TP	PAL/NTSC
CE13	2404-000112	C-TA,CHIP;100uF,20%,6.3V,WT,7343,-,TP	PAL/NTSC
CE14	2404-000112	C-TA,CHIP;100uF,20%,6.3V,WT,7343,-,TP	PAL/NTSC
CE15	2309-000143	C-FILM,CHIP;3.9nF,5%,100V,-,-,TP	PAL/NTSC
CE16	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	PAL/NTSC
CE17	2402-000144	C-AL,SMD;3.3uF,20%,50V,GP,TP,4.3x4.3x5.	PAL/NTSC
CE18	2201-000911	C-CERAMIC,DISC;1.2nF,10%,1KV,Y5P,BK,10x5	PAL/NTSC
CNE01	3711-000862	CONNECTOR-HEADER;BOX,3P,1R,1.25mm,SMD-A,	PAL/NTSC
CNE02	3711-002173	CONNECTOR-HEADER;BOX,4P,1R,1.5,STRAIGHT,	PAL/NTSC
CNE03	AC03-12001B	SOCKET-CRT;SOCKET FINDER,PI10 40MM,-,-,-	PAL/NTSC
DE01	0407-000151	DIODE-ARRAY;MA153,40V,100mA,C2-3,SOT-23,	PAL/NTSC
DE02	0401-000138	DIODE-SWITCHING;KDS193,80V,100mA,150mW,4	PAL/NTSC
DE03	0401-000166	DIODE-SWITCHING;MA158-TX,200V,100mA,-,-,	PAL/NTSC
FTB01	AC26-32001B	TRANS-FLYBACK;ECX-C2806D,0.6INCH,4.8V	PAL/NTSC
ICE01	AC14-12006W	IC-LINEAR;KA7007,SOP,-	PAL/NTSC
LE01	2703-001756	INDUCTOR-SMD;47uH,10%,3.2x2.5x2.2mm	PAL/NTSC
LE02	AC27-32001B	COIL-LINEARITY;230UH-15%,PI0.12,T,-,-	PAL/NTSC
QE01	0501-000424	TR-SMALL SIGNAL;KTA1504-Y,PNP,150mW,SOT-	PAL/NTSC
QE02	0501-000238	TR-SMALL SIGNAL;2SD968A,NPN,1W,SC-62,-,1	PAL/NTSC
QE03	0501-000424	TR-SMALL SIGNAL;KTA1504-Y,PNP,150mW,SOT-	PAL/NTSC
RE01	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE02	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE03	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE04	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE05	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE06	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE07	2007-000637	R-CHIP;270Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE08	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE09	2007-000695	R-CHIP;3.3ohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE10	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE11	1404-001138	THERMISTOR-NTC;470ohm,10%,3100K,140mW/C,	PAL/NTSC
RE12	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	PAL/NTSC
RE13	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE14	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE15	2007-000965	R-CHIP;5.1Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE16	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE17	2007-001056	R-CHIP;6.2Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE18	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE19	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE20	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE21	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE22	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE23	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	PAL/NTSC
RE24	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	PAL/NTSC
RE25	2007-000689	R-CHIP;3.3MOHM,5%,1/10W,DA,TP,2012	PAL/NTSC
RE26	2007-000689	R-CHIP;3.3MOHM,5%,1/10W,DA,TP,2012	PAL/NTSC
RE27	2007-000462	R-CHIP;18OHM,5%,1/10W,DA,TP,2012	PAL/NTSC
VRE01	2104-001024	VR-SMD;68KOHM,25%,0.15W,TOP	PAL/NTSC
VRE02	2104-001013	VR-SMD;220ohm,25%,0.15W,TOP	PAL/NTSC
VRE03	2104-000178	VR-SMD;1MOHM,30%,1/20W,TOP	PAL/NTSC
		ASS'Y-CVF BOARD	
CE01	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	PAL/NTSC
CE03	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	PAL/NTSC
CE04	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	PAL/NTSC
CE05	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	PAL/NTSC
CE09	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	PAL/NTSC
CE10	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	PAL/NTSC
CE11	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	PAL/NTSC
CE12	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	PAL/NTSC
CE13	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	PAL/NTSC
CE14	2404-000390	C-TA,CHIP;100nF,20%,50V,GP,TP,3216,-	PAL/NTSC
CE15	2404-000390	C-TA,CHIP;100nF,20%,50V,GP,TP,3216,-	PAL/NTSC
CE16	2203-001140	C-CERAMIC,CHIP;68nF,10%,16V,X7R,TP,1608,	PAL/NTSC
CE17	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	PAL/NTSC
CE18	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216,-	PAL/NTSC
CE20	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	PAL/NTSC
CE21	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216,-	PAL/NTSC
CE22	2404-000335	C-TA,CHIP;3.3uF,20%,16V,-,TP,3216,-	PAL/NTSC
CE23	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	PAL/NTSC
CE25	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	PAL/NTSC
CE26	2404-000251	C-TA,CHIP;470nF,20%,35V,-,TP,3216,-	PAL/NTSC
CE27	2404-000335	C-TA,CHIP;3.3uF,20%,16V,-,TP,3216,-	PAL/NTSC
CE28	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	PAL/NTSC
CE29	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	PAL/NTSC
CE30	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	PAL/NTSC
CE31	2203-001683	C-CERAMIC,CHIP;68pF,5%,50V,CH,TP,1608,1.	PAL/NTSC
CE32	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	PAL/NTSC
CE33	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	PAL/NTSC
CE34	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	PAL/NTSC
CE35	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	PAL/NTSC
CE36	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	PAL/NTSC
CE37	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	PAL/NTSC
CE38	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	PAL/NTSC
CE39	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	PAL/NTSC
CE40	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216,-	PAL/NTSC
CE42	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	PAL/NTSC
CE43	2404-000112	C-TA,CHIP;100uF,20%,6.3V,WT,7343,-,TP	PAL/NTSC
CE44	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216,-	PAL/NTSC

Loc. No	Part No	Desc & Spec	Remark
CE45	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	PAL/NTSC
CE46	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	PAL/NTSC
CE50	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	PAL/NTSC
CE51	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	PAL/NTSC
CNE01	3711-000386	CONNECTOR-HEADER;3WALL,10P,1R,1.25mm,SMD	PAL/NTSC
CNE01	3711-002172	CONNECTOR-HEADER;BOX,3P,1R,1.5,STRAIGHT,	NTSC
CNE02	3708-000514	CONNECTOR-FPC/FC/PIC;16P,0.5MM,SMD-S,SN	PAL/NTSC
CNE03	3711-002613	CONNECTOR-HEADER;3WALL,3P,1R,1.25MM,SMD-	PAL/NTSC
DE01	0405-000123	DIODE-VARACTOR;1T369,34V,10nA,DSM,TP	PAL/NTSC
DE02	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	PAL/NTSC
DE03	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	PAL/NTSC
DE04	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	PAL/NTSC
DE05	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	PAL/NTSC
FLE01	4713-001071	LAMP;5V,-,0.4W,WHT,-,-,-	NTSC
ICE01	1003-001168	IC-LCD DRIVER;CXA2503AR,QFP,64P,400MIL,T	PAL/NTSC
ICE02	1103-001133	IC-EEPROM;24C020,256x8BIT,SOP,8P,150MIL,	PAL/NTSC
ICE03	AD14-10001C	IC-AMP;NJM2904V,SSOP,OP-AMP	PAL/NTSC
ICE04	0801-000301	IC-CMOS LOGIC;7W04,INVERTER,SOP,8P,150MI	PAL/NTSC
LE01	AC40-22002F	CONVERTER-COIL;-,-	NTSC
LE03	2703-000363	INDUCTOR-SMD;10uH,5%,2.5x2x1.8mm	PAL/NTSC
LE04	2703-001760	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	PAL/NTSC
LE05	2703-001760	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	PAL/NTSC
LE06	2703-001761	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	PAL/NTSC
LE07	2703-000366	INDUCTOR-SMD;22uH,5%,2.5x2x1.8mm	PAL/NTSC
QE01	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	PAL/NTSC
QE02	0506-000138	TR-ARRAY;IMZ1,NPN/PNP,1,50V,40V,100mA,3	PAL/NTSC
QE03	0504-000211	TR-DIGITAL;DTC143TU,NPN,200MW,4.7K,SC-70	PAL/NTSC
QE04	0504-000211	TR-DIGITAL;DTC143TU,NPN,200MW,4.7K,SC-70	PAL/NTSC
QE05	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	PAL/NTSC
QE08	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	PAL/NTSC
QEB01	0505-001231	FET-SILICON;2SK1474,N,100V,4A,0.4ohm,20W	NTSC
RE01	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE02	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE03	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE04	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE07	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE08	2007-000637	R-CHIP;270Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE09	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE10	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE11	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE12	2007-000655	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE13	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE14	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE16	2007-001157	R-CHIP;750ohm,5%,1/16W,DA,TP,160	PAL/NTSC
RE18	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE19	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE20	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE21	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE22	2007-000614	R-CHIP;24Kohm,1%,1/16W,DA,TP,1608	PAL/NTSC
RE23	2007-000239	R-CHIP;1.5Kohm,1%,1/16W,DA,TP,1608	PAL/NTSC
RE24	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE25	2007-000455	R-CHIP;18Kohm,1%,1/16W,DA,TP,1608	PAL/NTSC
RE26	2007-000614	R-CHIP;24Kohm,1%,1/16W,DA,TP,1608	PAL/NTSC
RE27	2007-000683	R-CHIP;3.3Kohm,1%,1/16W,DA,TP,1608	PAL/NTSC
RE28	2007-000067	R-CHIP;15Kohm,1%,1/16W,DA,TP,1608	PAL/NTSC
RE29	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE30	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE31	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE32	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE34	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE40	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE44	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE45	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE47	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE50	2203-000426	C-CERAMIC,CHIP;18pF,5%,50V,NPO,1608,-,TP	PAL/NTSC
RE51	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE57	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE58	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE61	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE62	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	PAL/NTSC
RE63	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	PAL/NTSC
XE01	2801-003126	CRYSTAL-SMD;4.433619MHz,30ppm,28-ABN,16p	PAL/NTSC
XE01	2801-003127	CRYSTAL-SMD;3.579545MHz,30ppm,28-ABN,16p	NTSC
		ASS'Y-CCD BOARD	
CC01	2203-000140	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,1608	
CC02	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC03	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CC04	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC05	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CC06	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CNC01	3711-004241	CONNECTOR-HEADER;BOX,18P,2R,1MM,SMD-A,SN	
DC02	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
QC01	0505-000180	FET-SILICON;2SK1070PIETR,-,150MW,SOT	
RC01	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RC02	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RC03	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
RC05	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RC07	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
		ASS'Y-MAIN BOARD	
C001	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C002	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	NORMAL
C002	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	HI8
C003	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C004	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C005	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C006	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	NORMAL
C006	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	HI8
C007	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C008	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	HI8
C008	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	NORMAL

Loc. No	Part No	Desc & Spec	Remark
C009	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C010	2203-000783	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,1608,	Hi8
C010	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	NORMAL
C011	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	NORMAL
C011	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	Hi8
C012	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C013	2203-001640	C-CERAMIC,CHIP;390pF,10%,50V,X7R,TP,1608	Hi8
C013	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	NORMAL
C014	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	NORMAL
C014	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	Hi8
C015	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	Hi8
C015	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	NORMAL
C016	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	Hi8
C016	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	NORMAL
C017	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	Hi8
C017	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	NORMAL
C018	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	NORMAL
C018	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	Hi8
C019	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	Hi8
C019	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	NORMAL
C020	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	NORMAL
C020	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	Hi8
C021	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C022	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	NORMAL
C022	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	Hi8
C023	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C024	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C025	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C026	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C027	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C028	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
C029	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C030	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C031	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C032	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C033	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C034	2203-001113	C-CERAMIC,CHIP;62pF,5%,50V,NPO,TP,1608,-	NORMAL
C034	2203-001417	C-CERAMIC,CHIP;36pF,5%,50V,NPO,TP,1608,1	Hi8
C035	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
C037	2203-001408	C-CERAMIC,CHIP;270pF,5%,50V,COG,TP,1608,	
C038	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C039	2203-000426	C-CERAMIC,CHIP;18pF,5%,50V,NPO,1608,-,TP	
C044	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
C045	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
C046	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
C047	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
C048	2203-000332	C-CERAMIC,CHIP;12pF,5%,50V,NPO,TP,1608,-	
C049	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
C050	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	
C052	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C053	2203-001686	C-CERAMIC,CHIP;75pF,5%,50V,CH,TP,1608,1.	
C054	2203-000357	C-CERAMIC,CHIP;150pF,5%,50V,NPO,TP,1608,	
C055	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,	
C056	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C060	2203-000332	C-CERAMIC,CHIP;12pF,5%,50V,NPO,TP,1608,-	NORMAL/PAL
C060	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	NORMAL/NTSC
C061	2203-001408	C-CERAMIC,CHIP;270pF,5%,50V,COG,TP,1608,	
C1	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C10	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	Hi8
C10	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	NORMAL
C101	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C102	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C103	2203-000426	C-CERAMIC,CHIP;18pF,5%,50V,NPO,1608,-,TP	
C104	2203-000426	C-CERAMIC,CHIP;18pF,5%,50V,NPO,1608,-,TP	
C105	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C106	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C107	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C108	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C109	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	
C11	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C110	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	
C111	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C112	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C113	2203-000315	C-CERAMIC,CHIP;120pF,5%,50V,NPO,TP,1608,	
C114	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C115	2203-000851	C-CERAMIC,CHIP;39pF,5%,50V,NPO,TP,1608,-	
C116	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C117	2203-000426	C-CERAMIC,CHIP;18pF,5%,50V,NPO,1608,-,TP	
C118	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C119	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	
C12	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C120	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	
C121	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C122	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C123	2203-001195	C-CERAMIC,CHIP;7pF,0.25pF,50V,NPO,TP,160	
C124	2203-002605	C-CERAMIC,CHIP;8pF,0.25pF,50V,CH,TP,1608	
C125	2203-000426	C-CERAMIC,CHIP;18pF,5%,50V,NPO,1608,-,TP	
C126	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	
C127	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C128	2203-001640	C-CERAMIC,CHIP;390pF,10%,50V,X7R,TP,1608	
C129	2203-001083	C-CERAMIC,CHIP;5pF,0.1pF,50V,NPO,TP,1608	
C13	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C130	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C131	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C132	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C133	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	
C134	2203-000315	C-CERAMIC,CHIP;120pF,5%,50V,NPO,TP,1608,	
C135	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	
C136	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	
C137	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	

Loc. No	Part No	Desc & Spec	Remark
C138	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C139	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	
C14	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C140	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C141	2203-000405	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,1608,	
C142	2203-001683	C-CERAMIC,CHIP;68pF,5%,50V,CH,TP,1608,1.	
C143	2203-001113	C-CERAMIC,CHIP;62pF,5%,50V,NPO,TP,1608,-	
C144	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C15	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C150	2203-001071	C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,1608,-	
C151	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	
C152	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	
C153	2203-000041	C-CERAMIC,CHIP;10pF,0.25pF,50V,NPO,TP,16	
C154	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C155	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C156	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C16	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C17	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C18	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
C19	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
C2	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
C20	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C201	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
C202	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C203	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C204	2402-001008	C-AL,SMD;220uF,20%,4V,-,6.6x6.6x5.4mm,2	
C205	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C206	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C207	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C208	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C209	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C21	2404-000250	C-TA,CHIP;470nF,20%,25V,-,TP,3216,-	
C210	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C211	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,	
C212	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C213	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C214	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C215	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C216	2203-000332	C-CERAMIC,CHIP;12pF,5%,50V,NPO,TP,1608,-	NORMAL/PAL
C216	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	NORMAL/NTSC
C218	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C219	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C22	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C220	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C221	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
C222	2404-000218	C-TA,CHIP;330nF,20%,35V,-,TP,3216,-	
C223	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C224	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	PAL
C224	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	NTSC
C224	2203-001656	C-CERAMIC,CHIP;470pF,5%,50V,CH,TP,1608,1	
C225	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
C225	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	
C225	2203-001656	C-CERAMIC,CHIP;470pF,5%,50V,CH,TP,1608,1	
C226	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C227	2203-001640	C-CERAMIC,CHIP;390pF,10%,50V,X7R,TP,1608	
C228	2203-001640	C-CERAMIC,CHIP;390pF,10%,50V,X7R,TP,1608	
C229	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	NORMAL
C229	2203-000357	C-CERAMIC,CHIP;150pF,5%,50V,NPO,TP,1608,	Hi8
C23	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C230	2203-000357	C-CERAMIC,CHIP;150pF,5%,50V,NPO,TP,1608,	
C231	2203-000929	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1608	Hi8
C231	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	NORMAL
C232	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	NORMAL
C232	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	Hi8
C234	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C235	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C236	2203-000315	C-CERAMIC,CHIP;120pF,5%,50V,NPO,TP,1608,	Hi8
C236	2203-000357	C-CERAMIC,CHIP;150pF,5%,50V,NPO,TP,1608,	NORMAL
C236	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	
C237	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C238	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C239	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C24	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
C240	2203-001683	C-CERAMIC,CHIP;68pF,5%,50V,CH,TP,1608,1.	
C241	2203-000315	C-CERAMIC,CHIP;120pF,5%,50V,NPO,TP,1608,	
C243	2404-000250	C-TA,CHIP;470nF,20%,25V,-,TP,3216,-	
C244	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C245	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C246	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
C247	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C248	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C249	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C25	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C250	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C251	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C26	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C260	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C27	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C270	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C271	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,	
C272	2203-001408	C-CERAMIC,CHIP;270pF,5%,50V,COG,TP,1608,	
C273	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C28	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C281	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C282	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C283	2203-000405	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,1608,	
C29	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C292	2203-001113	C-CERAMIC,CHIP;62pF,5%,50V,NPO,TP,1608,-	
C293	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	
C3	2404-000218	C-TA,CHIP;330nF,20%,35V,-,TP,3216,-	

Loc. No	Part No	Desc & Spec	Remark
C30	2203-001652	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,	NORMAL
C30	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	Hi8
C31	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C311	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C312	2203-000405	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,1608,	
C313	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	
C314	2203-001697	C-CERAMIC,CHIP;.082NF,5%,50V,NPO,TP,1608	
C315	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
C32	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C33	2402-001008	C-AL,SMD;220uF,20%,4V,-,6.6x6.6x5.4mm,2	
C331	2203-000332	C-CERAMIC,CHIP;12pF,5%,50V,NPO,TP,1608,-	Hi8/PAL
C331	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	Hi8/NTSC
C34	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C35	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C355	2203-000405	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,1608,	
C36	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
C37	2404-000335	C-TA,CHIP;3.3uF,20%,16V,-,TP,3216,-	
C38	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C39	2404-000335	C-TA,CHIP;3.3uF,20%,16V,-,TP,3216,-	
C4	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	
C40	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C401	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	NORMAL
C401	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	Hi8
C41	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C42	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C43	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C44	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C45	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C451	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C452	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C453	2203-000681	C-CERAMIC,CHIP;27pF,5%,50V,NPO,1608,-,TP	
C454	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	
C46	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C47	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C48	2203-000041	C-CERAMIC,CHIP;10pF,0.25pF,50V,NPO,TP,16	
C49	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C5	2203-000315	C-CERAMIC,CHIP;120pF,5%,50V,NPO,TP,1608,	
C50	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	
C501	2402-000198	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C502	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C503	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C505	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C506	2203-001640	C-CERAMIC,CHIP;390pF,10%,50V,X7R,TP,1608	
C507	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	
C508	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	
C509	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C510	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C511	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C512	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C513	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C514	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C515	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C516	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C517	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C518	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C519	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,	
C520	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C521	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C522	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
C523	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C524	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
C525	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
C526	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
C527	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C528	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
C529	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C530	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C531	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C532	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C534	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C535	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C536	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C537	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C538	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C539	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C541	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C542	2203-001640	C-CERAMIC,CHIP;390pF,10%,50V,X7R,TP,1608	
C543	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
C544	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
C545	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
C546	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C547	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C548	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C549	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C550	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C551	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C552	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	
C553	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C601	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C602	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C603	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C604	2203-000332	C-CERAMIC,CHIP;12pF,5%,50V,NPO,TP,1608,-	
C605	2203-000332	C-CERAMIC,CHIP;12pF,5%,50V,NPO,TP,1608,-	
C606	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C607	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C608	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C609	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C610	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C611	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C612	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	

Loc. No	Part No	Desc & Spec	Remark
C613	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C615	2203-001640	C-CERAMIC,CHIP;390pF,10%,50V,X7R,TP,1608	
C63	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C64	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C65	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	
C66	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	
C67	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C68	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C69	2203-001640	C-CERAMIC,CHIP;390pF,10%,50V,X7R,TP,1608	
C70	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C701	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	MONO
C701	2404-000250	C-TA,CHIP;470nF,20%,25V,-,TP,3216,-	STEREO
C702	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	MONO
C702	2404-000250	C-TA,CHIP;470nF,20%,25V,-,TP,3216,-	STEREO
C703	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	MONO
C703	2404-000250	C-TA,CHIP;470nF,20%,25V,-,TP,3216,-	STEREO
C704	2404-000112	C-TA,CHIP;100uF,20%,6.3V,WT,7343,-,TP	
C705	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	MONO
C705	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	STEREO
C706	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	STEREO
C706	2404-000226	C-TA,CHIP;33uF,20%,6.3V,WT,6032,-,TP	MONO
C707	2404-000246	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,3216,-	
C708	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	MONO
C708	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	STEREO
C709	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	STEREO
C709	2404-000246	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,3216,-	MONO
C71	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C710	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	MONO
C710	2404-000246	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,3216,-	STEREO
C711	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	STEREO
C711	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	MONO
C712	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	STEREO
C712	2404-000246	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,3216,-	MONO
C713	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	MONO
C713	2404-000246	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,3216,-	STEREO
C714	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	STEREO
C714	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	MONO
C715	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	STEREO
C715	2404-000112	C-TA,CHIP;100uF,20%,6.3V,WT,7343,-,TP	MONO
C716	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	STEREO
C716	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	MONO
C717	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	MONO
C717	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	STEREO
C718	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	STEREO
C718	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	MONO
C719	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	STEREO
C719	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	MONO
C72	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	MONO
C72	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	STEREO
C720	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	MONO
C720	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	STEREO
C721	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C722	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	STEREO
C722	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	MONO
C723	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	STEREO
C723	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	MONO
C724	2404-000246	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,3216,-	
C725	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
C726	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C727	2404-000246	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,3216,-	
C728	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	STEREO
C728	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	MONO
C729	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	STEREO
C729	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	MONO
C73	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C730	2404-000246	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,3216,-	STEREO
C730	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	MONO
C731	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	MONO
C731	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	STEREO
C732	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	MONO
C732	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	STEREO
C733	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C734	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C735	2404-000259	C-TA,CHIP;47uF,20%,6.3V,-,TP,6032,-	
C736	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	MONO
C736	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	STEREO
C737	2404-000250	C-TA,CHIP;470nF,20%,25V,-,TP,3216,-	
C738	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C739	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C74	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C740	2203-001071	C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,1608,-	
C75	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C8	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C801	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C802	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
C803	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C804	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C805	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
C806	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
C807	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
C808	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
C809	2203-000929	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1608	
C810	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C811	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
C812	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C813	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C814	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C815	2203-000929	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1608	
C816	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
C817	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	

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C818	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C819	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
C820	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
C821	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C822	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
C823	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C824	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C825	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C826	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C827	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C828	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C829	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C9	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C901	2404-000128	C-TA,CHIP;10uF,20%,16V,-,TP,6032,-	
C902	2203-002376	C-CERAMIC,CHIP;2.2uF,+80-20%,50V,Y5V,TP,	
C903	2203-001724	C-CERAMIC,CHIP;4700NF,+80-20%,16V,Y5V,TP	
C904	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C905	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C906	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C907	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C908	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C909	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C910	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C911	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C912	2203-002376	C-CERAMIC,CHIP;2.2uF,+80-20%,50V,Y5V,TP,	
C913	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C914	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C915	2203-002376	C-CERAMIC,CHIP;2.2uF,+80-20%,50V,Y5V,TP,	
C916	2203-000483	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,32	
C917	2203-000483	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,32	
C920	2203-000483	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,32	
C921	2203-000483	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,32	
C922	2203-001724	C-CERAMIC,CHIP;4700NF,+80-20%,16V,Y5V,TP	
C923	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
C924	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C925	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
C926	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C927	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
C928	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C929	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C930	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C931	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
C932	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1	
C933	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C934	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C935	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C936	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C937	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C938	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C939	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C940	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C941	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C942	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C943	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C944	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CG03	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,	
CG04	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,	
CG05	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,	
CN001	3708-001345	CONNECTOR-FPC/FC/PIC;11P,-,SMD-A,SN	
CN501	3710-001301	CONNECTOR-SOCKET;48P,2R,0.8mm,SMD-S,SN	
CN601	3710-000551	CONNECTOR-SOCKET;24P,2R,1.0MM,SMD-S,SN	
CN603	3711-000386	CONNECTOR-HEADER;3WALL,10P,1R,1.25mm,SMD	
CN604	3708-000457	CONNECTOR-FPC/FC/PIC;15P,1.25mm,SMD-S,SN	
CN605	3710-001479	CONNECTOR-SOCKET;14P,2R,1MM,SMD-S,SN	
CN801	3708-001025	CONNECTOR-FPC/FC/PIC;30P,0.5mm,ANGLE,SN	
CN802	3711-000556	CONNECTOR-HEADER;BOX,12P,1R,1.25mm,SMD-A	
CN851	3711-002127	CONNECTOR-HEADER;BOX,8P,1R,1.25mm,SMD-A,	
CNP01	3710-001478	CONNECTOR-SOCKET;18P,2R,1MM,SMD-S,SN	
CNP02	3708-001070	CONNECTOR-FPC/FC/PIC;22P,0.5MM,SMD-A,SN	
CNP03	3708-001069	CONNECTOR-FPC/FC/PIC;20P,0.5MM,SMD-A,SN	
CP01	2404-000156	C-TA,CHIP;1uF,20%,35V,-,TP,3528,1.4mm	
CP02	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
CP03	2203-000357	C-CERAMIC,CHIP;150pF,5%,50V,NPO,TP,1608,	
CP04	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
CP05	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP06	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CP07	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
CP08	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
CP09	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP10	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CP100	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP101	2203-000426	C-CERAMIC,CHIP;18pF,5%,50V,NPO,1608,-,TP	PAL
CP101	2203-000681	C-CERAMIC,CHIP;27pF,5%,50V,NPO,1608,-,TP	NTSC
CP102	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
CP104	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CP105	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CP11	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP110	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP111	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP12	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CP129	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	
CP13	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,	
CP14	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
CP15	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	
CP16	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP17	2404-000190	C-TA,CHIP;22uF,20%,16V,-,TP,5832,-	
CP18	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP19	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP20	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP21	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	

Loc. No	Part No	Desc & Spec	Remark
CP22	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
CP23	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
CP24	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP25	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP26	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP27	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP28	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP29	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP30	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CP31	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP32	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP33	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
CP34	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
CP35	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
CP36	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
CP37	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
CP38	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP39	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP40	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CP41	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CP42	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP43	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP44	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
CP45	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CP46	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP47	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP48	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	
CP49	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	
CP50	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP51	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	
CP52	2203-001222	C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1608	
CP53	2203-000681	C-CERAMIC,CHIP;27pF,5%,50V,NPO,1608,-,TP	
CP54	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,	
CP55	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP57	2203-000426	C-CERAMIC,CHIP;18pF,5%,50V,NPO,1608,-,TP	
CP58	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	
CP59	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CP60	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP61	2203-000041	C-CERAMIC,CHIP;10pF,0.25pF,50V,NPO,TP,16	
CP62	2203-000041	C-CERAMIC,CHIP;10pF,0.25pF,50V,NPO,TP,16	
CP63	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CP64	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP65	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP66	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
CP67	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP70	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP71	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	
CP72	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	
CP73	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP74	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP75	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CP76	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP77	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP79	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP80	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP81	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP82	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP83	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP84	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP85	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
CP86	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
CP87	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP88	2203-000384	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,1608,-	HI8
CP88	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	NORMAL
CP89	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP90	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP91	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,	
CP92	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP93	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP94	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP95	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP96	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP97	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
CP98	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP99	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
D001	0407-000101	DIODE-ARRAY;DA204K,20V,100mA,C2-3,SOT-23	
D101	0401-000138	DIODE-SWITCHING;KDS193,80V,100mA,150mW,4	
D201	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D202	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D203	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D204	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D205	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D206	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D207	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D311	0401-000138	DIODE-SWITCHING;KDS193,80V,100mA,150mW,4	
D501	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
D502	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
D503	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
D701	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
D901	0407-000139	DIODE-ARRAY;IMN10,80V,100mA,CX3,IMD,TP	
DG01	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
DG02	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
DG03	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
DP01	0407-000148	DIODE-ARRAY;MA141WK,40V,150mA,CA2-3,SC-7	
DP02	0405-000151	DIODE-VARACTOR;1T379,30V,10nA,USMD,TP	
DP03	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
DP04	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
DP05	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
DP06	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
DP07	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	

Loc. No	Part No	Desc & Spec	Remark
IC001	1201-001091	IC-PREAMP;2002,QFP,48P,-,SINGLE,1000MV/V	Hi8
IC001	1201-001312	IC-PREAMP;CXA2032Q,QFP,32P,7.0MIL,SINGLE	NORMAL
IC002	1209-001044	IC-DELAY LINE;CXL5517N,SOP,20P,173MIL,PL	PAL
IC002	AC14-12014E	IC-CCD;CXL5502N,DIP,-	NTSC
IC004	1209-001052	IC-ETC, LINEAR;CXA2003N,SOP,24P,-,PLASTI	
IC101	1201-001092	IC-RF AMP;1509,QFP,48P,-,SINGLE,-,PLASTI	
IC201	AD14-12001D	IC-VIDEO PROCESS;CXA2085R,LQFP,64P	Hi8
IC201	AD14-12001E	IC-VIDEO PROCESS;CXA2081R,LQFP,64P,NOR	NORMAL
IC202	AD14-00001A	IC--VIDEO PROCESS;CXA2083R,VQFP,64P	
IC401	1002-001125	IC-D/A CONVERTER;M62366GP,8BIT,SSOP,20P,	
IC451	1204-001458	IC-OSD PROCESSOR;M35040-064FP(SEC),DIP,2	
IC501	1204-001124	IC-VIDEO SYSTEM;CXA1814N,SOP,30P,-,PLAST	
IC502	1003-001188	IC-MOTOR DRIVER;LB1990W,QFP,64P,400MIL,S	
IC503	AC14-12012T	IC-OP AMP;TA75S01F(TE85L),QFP,-	
IC601	AD09-00021A	IC-MCU;CXP87140-126R,-,TRAY,-,8BIT,100P	PAL
IC601	AD09-00022A	IC-MCU;CXP87140-125R,-,TRAY,-,8BIT,100P	NTSC
IC701	1201-001406	IC-AUDIO AMP;7458,SQFP,64P,393MIL,-,-,PL	NORMAL/MONO
IC701	1204-001416	IC-AUDIO PROCESSOR;LA74000W,QFP,64P,-,PL	Hi8/STEREO
IC801	1201-001108	IC-AUDIO AMP;7471,SOP,36P,-,SINGLE,-,PLA	
IC901	1203-001534	IC-PWM CONTROLLER;TL1466I,QFP,64P,-,PLAS	
ICP01	AD14-10002D	IC-DSP;KS7331,VQFP,128P	
ICP02	AD09-00016A	IC-MICOM;P81840A-519R,X16,2ND,100,TRAY,-	X16
ICP02	AD09-00024A	IC-MICOM;P81840A-521R,X22,4TH,100,TRAY,-	X22
ICP03	1002-001127	IC-A/D CONVERTER;AD9803,10BIT,LQFP,48P,3	
ICP04	1003-001200	IC-MOTOR DRIVER;UPD16835,SOP,38P,300MIL,	
ICP06	1201-000240	IC-OP AMP;2902,SOP,14P,173MIL,QUAD,15V/m	
ICP07	1201-000246	IC-OP AMP;3403,SOP,14P,173MIL,QUAD,20V/m	
ICP08	1003-001065	IC-CLOCK DRIVER;KS7221D,SOP,20P,225MIL,Q	
ICP09	1203-001021	IC-VOLTAGE REGULATOR;8423,SOP,8P,251MIL,	
ICP10	1103-001134	IC-EEPROM;24C040,512x8BIT,SOP,8P,150MIL,	
ICP11	0801-002417	IC-CMOS LOGIC;TC7SU04F,INVERTER,SSOP,5P	
ICW01	AD14-10002E	IC-WDR;KS7332,QFP,48P	
L001	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	Hi8
L001	2703-000404	INDUCTOR-SMD;220uH,10%,3.2x2.5x2.2mm	NORMAL
L002	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	Hi8
L002	2703-000404	INDUCTOR-SMD;220uH,10%,3.2x2.5x2.2mm	NORMAL
L003	2703-000404	INDUCTOR-SMD;220uH,10%,3.2x2.5x2.2mm	Hi8
L003	2703-001758	INDUCTOR-SMD;100uH,10%,3.2x2.5x2.2mm	NORMAL
L004	2703-000404	INDUCTOR-SMD;220uH,10%,3.2x2.5x2.2mm	
L031	2703-000381	INDUCTOR-SMD;180uH,5%,3.2x2.5x2.2mm	NORMAL
L031	2703-000385	INDUCTOR-SMD;330uH,5%,3.2x2.5x2.2mm	Hi8
L032	2703-000388	INDUCTOR-SMD;470uH,5%,3.2x2.5x2.2mm	
L033	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
L034	2703-000381	INDUCTOR-SMD;180uH,5%,3.2x2.5x2.2mm	
L041	2703-000381	INDUCTOR-SMD;180uH,5%,3.2x2.5x2.2mm	
L042	2703-000372	INDUCTOR-SMD;56uH,5%,2.5x2x1.8mm	
L043	2703-000363	INDUCTOR-SMD;10uH,5%,2.5x2x1.8mm	
L051	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
L052	2703-000363	INDUCTOR-SMD;10uH,5%,2.5x2x1.8mm	
L061	2703-000367	INDUCTOR-SMD;33uH,5%,2.5x2x1.8mm	

Loc. No	Part No	Desc & Spec	Remark
L1	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
L101	2703-000425	INDUCTOR-SMD;27uH,5%,2x2.5x1.8mm	
L102	2703-000380	INDUCTOR-SMD;18uH,5%,3.2x2.5x2.2mm	
L103	2703-000380	INDUCTOR-SMD;18uH,5%,3.2x2.5x2.2mm	
L104	2703-000425	INDUCTOR-SMD;27uH,5%,2x2.5x1.8mm	
L105	2703-000349	INDUCTOR-SMD;120uH,5%,3.2x2.5x2.2mm	
L106	2703-000371	INDUCTOR-SMD;4.7uH,5%,2.5x2x1.8mm	
L107	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
L108	2703-000370	INDUCTOR-SMD;47uH,5%,2.5x2x1.8mm	
L109	2703-000187	INDUCTOR-SMD;3.3uH,5%,2x2.5x1.8mm	
L110	2703-000380	INDUCTOR-SMD;18uH,5%,3.2x2.5x2.2mm	
L111	2703-000371	INDUCTOR-SMD;4.7uH,5%,2.5x2x1.8mm	
L141	2703-000365	INDUCTOR-SMD;15uH,5%,2.5x2x1.8mm	
L142	2703-000374	INDUCTOR-SMD;6.8uH,5%,2.5x2x1.8mm	
L143	2703-000363	INDUCTOR-SMD;10uH,5%,2.5x2x1.8mm	
L2	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
L202	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L203	2703-000372	INDUCTOR-SMD;56uH,5%,2.5x2x1.8mm	
L204	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L238	2703-000396	INDUCTOR-SMD;10uH,10%,2.5x2x1.8mm	
L251	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
L252	2703-000349	INDUCTOR-SMD;120uH,5%,3.2x2.5x2.2mm	
L253	2703-000417	INDUCTOR-SMD;220uH,5%,3.2x2.5x2.2mm	
L291	2703-000366	INDUCTOR-SMD;22uH,5%,2.5x2x1.8mm	
L311	2703-000380	INDUCTOR-SMD;18uH,5%,3.2x2.5x2.2mm	
L312	2703-000425	INDUCTOR-SMD;27uH,5%,2x2.5x1.8mm	
L331	2703-000372	INDUCTOR-SMD;56uH,5%,2.5x2x1.8mm	
L4	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
L401	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
L451	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
L452	2703-000365	INDUCTOR-SMD;15uH,5%,2.5x2x1.8mm	
L502	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
L503	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L6	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
L601	2703-000409	INDUCTOR-SMD;47uH,10%,3.2x2.5x2.2mm	
L701	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
L702	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
L710	2703-000425	INDUCTOR-SMD;27uH,5%,2x2.5x1.8mm	
L901	2703-000402	INDUCTOR-SMD;1uH,20%,3.2x2.5x2.2mm	
L902	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L903	2703-000414	INDUCTOR-SMD;22uH,20%,7x7x3.2mm	
L904	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L905	2703-000400	INDUCTOR-SMD;15uH,10%,3.2x2.5x2.2mm	
L906	2703-000400	INDUCTOR-SMD;15uH,10%,3.2x2.5x2.2mm	
L907	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L908	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L909	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L910	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L911	2703-001194	INDUCTOR-SMD;100uH,20%,7x7x3.2mm	
L912	2703-001194	INDUCTOR-SMD;100uH,20%,7x7x3.2mm	

Loc. No	Part No	Desc & Spec	Remark
L913	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L914	2703-001758	INDUCTOR-SMD;100uH,10%,3.2x2.5x2.2mm	
L916	2703-001758	INDUCTOR-SMD;100uH,10%,3.2x2.5x2.2mm	
L917	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L918	2703-000414	INDUCTOR-SMD;22uH,20%,7x7x3.2mm	
L919	2703-000402	INDUCTOR-SMD;1uH,20%,3.2x2.5x2.2mm	
L920	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L921	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L922	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L923	2703-001020	INDUCTOR-SMD;47uH,20%,7x7x3.2mm	
LP01	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP02	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP03	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP04	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP07	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP09	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP10	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP14	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP17	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP18	2703-000373	INDUCTOR-SMD;68uH,5%,2.5x2x1.8mm	
LP19	2703-000366	INDUCTOR-SMD;22uH,5%,2.5x2x1.8mm	
Q001	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q003	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q031	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q032	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q033	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q034	0501-000448	TR-SMALL SIGNAL;KTC3880Y,NPN,100mW,SOT-2	
Q035	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q036	0504-001036	TR-DIGITAL;KRA304,PNP,100mW,47K/47Kohm,S	
Q037	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q038	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q051	0506-000148	TR-ARRAY;UMT2N,PNP,2,-50V,-40V,-100MA,3	
Q052	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q1	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
Q10	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q101	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q102	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q103	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q104	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q105	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q106	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q107	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100MA,	
Q108	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q109	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q12	0506-000146	TR-ARRAY;UMH6N,NPN,2,150mW,UM6,TP,68	
Q2	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q201	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q202	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q203	0504-001037	TR-DIGITAL;KRC401,NPN,100MW,4.7K/4.7K,SO	
Q204	0504-001037	TR-DIGITAL;KRC401,NPN,100MW,4.7K/4.7K,SO	

Loc. No	Part No	Desc & Spec	Remark
Q211	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q212	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	Hi8
Q212	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	NORMAL
Q213	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q214	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q216	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q237	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100MA,	
Q238	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
Q241	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
Q242	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q243	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
Q244	0504-001036	TR-DIGITAL;KRA304,PNP,100mW,47K/47Kohm,S	
Q291	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100MA,	
Q292	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
Q293	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q3	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
Q311	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
Q312	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q313	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100MA,	
Q314	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q355	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q4	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q501	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500MW,PCP,TP	
Q502	0504-001038	TR-DIGITAL;KRC402,NPN,100MW,10K/10K,SOT-	
Q503	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q504	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q602	0504-001040	TR-DIGITAL;KRC403,NPN,100MW,22K/22K,SOT-	
Q701	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q702	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q703	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q704	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q706	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500MW,PCP,TP	
Q707	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q761	0504-001036	TR-DIGITAL;KRA304,PNP,100mW,47K/47Kohm,S	
Q762	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q765	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500MW,PCP,TP	
Q766	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q8	0504-001036	TR-DIGITAL;KRA304,PNP,100mW,47K/47Kohm,S	
Q9	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q901	0501-000681	TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,1	
Q902	0501-000546	TR-SMALL SIGNAL;KSA1298,PNP,200mW,SOT-23	
Q903	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q906	0501-000681	TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,1	
Q907	0501-000681	TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,1	
Q908	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500MW,PCP,TP	
Q909	0501-000681	TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,1	
Q910	0501-000681	TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,1	
QP01	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QP02	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
QP03	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	

Loc. No	Part No	Desc & Spec	Remark
QP05	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QP06	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
QP09	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QP10	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QP11	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QP12	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QP15	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QP16	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
R001	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R002	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	Hi8
R002	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	NORMAL
R003	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	NORMAL
R003	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	Hi8
R004	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	NORMAL
R004	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	Hi8
R005	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	Hi8
R005	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	NORMAL
R006	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R007	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	NORMAL
R007	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	Hi8
R008	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	NORMAL
R008	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	Hi8
R009	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	NORMAL
R009	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	Hi8
R010	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	Hi8
R010	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	NORMAL
R011	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	Hi8
R011	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	NORMAL
R012	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	NORMAL
R012	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	Hi8
R013	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
R014	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
R015	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	NORMAL
R015	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	Hi8
R016	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	Hi8
R016	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	NORMAL
R017	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	NORMAL
R017	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	Hi8
R018	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R019	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R020	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R021	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R022	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R023	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
R024	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	NORMAL
R024	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	Hi8/PAL
R025	2007-000643	R-CHIP;270ohm,5%,1/16W,DA,TP,1608	
R026	2007-000071	R-CHIP;22ohm,5%,1/16W,DA,TP,1608	
R027	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R031	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R032	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
R033	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
R034	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R035	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	Hi8
R035	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	NORMAL
R036	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	Hi8
R036	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	NORMAL
R037	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R038	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R039	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R040	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R041	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
R042	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
R043	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R044	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R045	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R046	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R049	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
R050	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R051	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	Hi8
R051	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	NORMAL
R052	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R053	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	NORMAL/PAL
R053	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	NORMAL/NTSC
R054	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	NORMAL/NTSC
R054	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	NORMAL/PAL
R055	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608	
R056	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
R057	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	
R058	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R059	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	
R060	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R061	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
R071	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R072	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R073	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R1	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
R101	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R102	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
R103	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
R104	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R105	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
R106	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
R107	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R108	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R109	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
R110	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
R111	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R112	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
R113	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R114	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R115	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R116	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R117	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R118	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R119	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R12	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R120	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R121	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R122	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R123	2007-000643	R-CHIP;270ohm,5%,1/16W,DA,TP,1608	
R124	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R125	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R126	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R127	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R128	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R129	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R13	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	
R130	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R131	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R132	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R133	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R134	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R135	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	
R136	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R140	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R141	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R142	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R143	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R144	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	Hi8/PAL
R144	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	Hi8/NTSC
R145	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
R146	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R147	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
R148	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
R149	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R15	2007-000839	R-CHIP;39ohm,5%,1/16W,DA,TP,1608	
R150	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
R16	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R18	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R2	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R201	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R204	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R205	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R206	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
R207	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R208	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	Hi8
R208	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	NORMAL/NTSC
R208	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	NORMAL/PAL
R209	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R21	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R210	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	
R211	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	NTSC
R211	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	PAL
R212	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R213	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R214	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R215	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	NORMAL
R215	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	Hi8
R216	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R217	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R218	2007-000929	R-CHIP;470ohm,1%,1/16W,DA,TP,1608	
R219	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	NORMAL
R219	2007-000821	R-CHIP;390ohm,1%,1/16W,DA,TP,1608	Hi8
R22	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R221	2007-000219	R-CHIP;1.2Kohm,1%,1/16W,DA,TP,1608	
R222	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R223	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R225	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	Hi8
R225	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	NORMAL
R23	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R230	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R232	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
R234	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
R235	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
R236	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
R237	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R238	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R239	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608	
R24	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R240	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R241	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R242	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R243	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R244	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R245	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	Hi8
R245	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	NORMAL
R246	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R250	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	Hi8
R250	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	NORMAL
R251	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	Hi8
R251	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	NORMAL
R252	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R253	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
R254	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R256	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R27	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
R279	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R28	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R280	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R281	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R282	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R283	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R284	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R285	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R286	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
R287	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R288	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R289	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R29	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R291	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R292	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
R293	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R294	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R296	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608	
R297	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
R298	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R30	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R300	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R301	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R302	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R303	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R304	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R305	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R31	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	Hi8
R31	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	NORMAL
R311	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R312	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R313	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R314	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	
R315	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
R316	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R317	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
R318	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R319	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
R32	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
R320	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
R321	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R322	2007-000839	R-CHIP;39ohm,5%,1/16W,DA,TP,1608	
R323	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
R324	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
R33	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R34	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R35	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R355	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R356	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R36	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R37	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R38	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R39	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R40	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R401	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R402	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R403	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R41	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R42	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R43	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R44	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R451	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R452	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R453	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R454	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R455	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	NTSC
R455	2007-000450	R-CHIP;180ohm,5%,1/16W,DA,TP,1608	PAL
R456	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R457	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R458	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R459	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R460	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R461	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R462	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R463	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R501	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R502	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R503	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R504	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
R507	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
R508	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R509	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
R510	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
R511	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R512	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R513	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R514	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
R515	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R516	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
R517	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	
R518	2007-000503	R-CHIP;2.2ohm,5%,1/16W,DA,TP,1608	
R519	2007-000503	R-CHIP;2.2ohm,5%,1/16W,DA,TP,1608	
R520	2007-000503	R-CHIP;2.2ohm,5%,1/16W,DA,TP,1608	
R521	2007-000483	R-CHIP;1ohm,5%,1/10W,DA,TP,2012	
R522	2007-000483	R-CHIP;1ohm,5%,1/10W,DA,TP,2012	
R523	2007-000483	R-CHIP;1ohm,5%,1/10W,DA,TP,2012	
R524	2007-000483	R-CHIP;1ohm,5%,1/10W,DA,TP,2012	
R525	2007-000483	R-CHIP;1ohm,5%,1/10W,DA,TP,2012	
R526	2007-000483	R-CHIP;1ohm,5%,1/10W,DA,TP,2012	
R527	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R528	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R529	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R530	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R531	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R532	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R533	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R534	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R535	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R536	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R537	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R538	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R539	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R540	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R541	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R542	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R544	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R545	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R547	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R548	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R549	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R550	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R551	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	
R552	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	
R553	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
R554	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
R555	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R556	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R557	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R558	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R559	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R560	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R601	2007-000755	R-CHIP;330Kohm,1%,1/16W,DA,TP,1608	
R602	2007-000772	R-CHIP;33Kohm,1%,1/16W,DA,TP,1608	
R603	2007-000060	R-CHIP;100Kohm,1%,1/16W,DA,TP,1608	
R604	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R605	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R606	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R607	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R608	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R609	2007-000065	R-CHIP;2.2Mohm,5%,1/16W,DA,TP,1608	
R610	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R612	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R613	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R614	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R615	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R616	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R617	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R618	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R619	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R620	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R621	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R622	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R623	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R624	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R625	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R626	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R627	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R628	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R629	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R63	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R630	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R631	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R632	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R634	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R635	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R636	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R637	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R638	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R639	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R64	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R641	2007-000060	R-CHIP;100Kohm,1%,1/16W,DA,TP,1608	
R642	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R643	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R644	2007-000060	R-CHIP;100Kohm,1%,1/16W,DA,TP,1608	
R645	2007-000060	R-CHIP;100Kohm,1%,1/16W,DA,TP,1608	
R646	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
R647	2007-000060	R-CHIP;100Kohm,1%,1/16W,DA,TP,1608	
R648	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R65	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R650	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R651	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R652	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R653	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R654	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R655	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R656	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R657	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R658	2007-000755	R-CHIP;330Kohm,1%,1/16W,DA,TP,1608	
R659	2007-000755	R-CHIP;330Kohm,1%,1/16W,DA,TP,1608	
R660	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R661	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R662	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R664	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R665	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R666	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R667	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R668	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R671	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R672	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R674	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R676	2007-000455	R-CHIP;18Kohm,1%,1/16W,DA,TP,1608	
R677	2007-000772	R-CHIP;33Kohm,1%,1/16W,DA,TP,1608	
R678	2007-000772	R-CHIP;33Kohm,1%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R679	2007-001125	R-CHIP;68Kohm,1%,1/16W,DA,TP,1608	
R68	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R681	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R682	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R687	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R689	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R69	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R690	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R691	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R694	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R7	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	
R701	2007-000099	R-CHIP;62Kohm,5%,1/16W,DA,TP,1608	MONO
R701	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	STEREO
R702	2007-000099	R-CHIP;62Kohm,5%,1/16W,DA,TP,1608	MONO
R702	2007-000691	R-CHIP;3.3Mohm,5%,1/16W,DA,TP,1608	STEREO
R703	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	
R704	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	MONO
R704	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	STEREO
R705	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R706	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R708	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R709	2007-000462	R-CHIP;18OHM,5%,1/10W,DA,TP,2012	
R71	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R710	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R711	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	MONO
R711	2007-000691	R-CHIP;3.3Mohm,5%,1/16W,DA,TP,1608	STEREO
R712	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R713	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	MONO
R713	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	STEREO
R714	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	MONO
R714	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	STEREO
R715	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	STEREO
R715	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	MONO
R716	2007-000691	R-CHIP;3.3Mohm,5%,1/16W,DA,TP,1608	
R719	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R720	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	MONO
R720	2007-000691	R-CHIP;3.3Mohm,5%,1/16W,DA,TP,1608	STEREO
R721	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R722	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	STEREO
R722	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	MONO
R723	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R724	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R725	2007-000450	R-CHIP;180ohm,5%,1/16W,DA,TP,1608	
R727	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R728	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R729	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R73	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R730	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R731	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R732	2007-000450	R-CHIP;180ohm,5%,1/16W,DA,TP,1608	
R733	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R734	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	MONO
R734	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	STEREO
R735	2007-000450	R-CHIP;180ohm,5%,1/16W,DA,TP,1608	
R736	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	MONO
R736	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	STEREO
R737	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R738	2007-000462	R-CHIP;18OHM,5%,1/10W,DA,TP,2012	
R74	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R741	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R742	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R743	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R746	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R747	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R748	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R76	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R761	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R762	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	MONO
R762	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	STEREO
R763	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
R765	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
R766	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R77	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R781	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R782	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R801	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
R802	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R803	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R804	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R805	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R806	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	
R807	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R808	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R809	2007-000655	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
R81	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R810	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	
R811	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	
R812	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	
R813	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R814	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R815	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	
R816	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R817	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R818	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R819	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R82	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R820	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
R821	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R822	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R823	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R824	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
R83	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	PAL/MONO
R83	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	NTSC/STEREO
R83	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	
R84	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	PAL
R84	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	NTSC
R85	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	NTSC
R85	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	PAL
R86	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R87	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	PAL
R87	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	NTSC
R88	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R901	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R902	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
R905	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R906	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R907	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R908	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R909	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R910	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R911	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R912	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R913	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R914	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R915	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R916	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R917	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R918	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R919	2007-001694	R-CHIP;12Kohm,0.5%,1/16W,DA,TP,1608	
R920	2007-001650	R-CHIP;8.2Kohm,0.5%,1/16W,DA,TP,1608	
R921	2007-001643	R-CHIP;100Kohm,0.5%,1/16W,DA,TP,1608	
R922	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R923	2007-001644	R-CHIP;10Kohm,0.5%,1/16W,DA,TP,1608	
R924	2007-001694	R-CHIP;12Kohm,0.5%,1/16W,DA,TP,1608	
R925	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R926	2007-001694	R-CHIP;12Kohm,0.5%,1/16W,DA,TP,1608	
R927	2007-001644	R-CHIP;10Kohm,0.5%,1/16W,DA,TP,1608	
R928	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R929	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R930	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R931	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R932	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R933	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R934	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R935	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R936	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R937	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R938	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R939	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R940	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
RG30	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RG31	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RG32	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP01	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP02	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP03	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	
RP04	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP05	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	
RP06	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
RP07	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
RP08	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP09	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RP10	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RP100	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP101	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
RP102	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
RP103	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP104	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
RP106	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP107	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP109	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP11	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP110	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP113	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
RP114	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP115	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RP116	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RP117	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP118	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
RP119	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP12	2007-000637	R-CHIP;270Kohm,5%,1/16W,DA,TP,1608	
RP120	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP121	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP122	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP123	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP125	2007-000637	R-CHIP;270Kohm,5%,1/16W,DA,TP,1608	
RP126	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
RP127	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
RP128	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RP129	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RP13	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RP130	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP131	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP132	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP133	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP134	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP135	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP136	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP137	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP138	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
RP139	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP14	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP140	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
RP141	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
RP142	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
RP144	2007-000763	R-CHIP;330ohm,1%,1/16W,DA,TP,1608	
RP145	2007-000763	R-CHIP;330ohm,1%,1/16W,DA,TP,1608	
RP146	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RP147	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RP148	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RP149	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RP15	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
RP152	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RP153	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
RP154	2007-000763	R-CHIP;330ohm,1%,1/16W,DA,TP,1608	
RP155	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RP156	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RP157	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RP158	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP16	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RP160	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RP161	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RP165	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP166	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP167	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP168	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP169	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP17	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RP170	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP171	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP172	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RP173	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RP174	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
RP176	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
RP18	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP19	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RP20	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RP21	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RP22	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RP23	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RP24	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
RP25	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
RP26	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RP27	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RP28	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP29	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP30	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP31	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP32	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP33	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
RP34	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	
RP35	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP36	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RP37	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP38	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP39	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP40	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RP41	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608	
RP42	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP43	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP46	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP47	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP48	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RP50	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP52	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP53	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP54	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP59	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
RP61	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
RP63	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
RP65	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP71	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RP72	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RP73	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
RP74	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
RP75	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
RP76	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
RP77	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP78	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
RP79	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
RP80	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RP81	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP82	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP84	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RP85	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RP88	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
RP89	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
SW601	3404-001083	SWITCH-TACT;12V,50mA,200gf,6x7.4x2.3mm,S	
SW603	3404-001083	SWITCH-TACT;12V,50mA,200gf,6x7.4x2.3mm,S	
SW604	3404-001083	SWITCH-TACT;12V,50mA,200gf,6x7.4x2.3mm,S	
SW605	3404-001083	SWITCH-TACT;12V,50mA,200gf,6x7.4x2.3mm,S	
SW606	3404-001083	SWITCH-TACT;12V,50mA,200gf,6x7.4x2.3mm,S	
T901	AD26-00001A	TRANS-POWER;CST063,15V,-7.5V,A3-PJ(C)	CVF
T901	AD26-20120N	TRANS-CONVERTOR;REEL,0.018mH +/-30%,CST0	EVF
X601	2801-003239	CRYSTAL-SMD;11.71875MHz,50ppm,28-ABL,13p	PAL
X601	2801-003242	CRYSTAL-SMD;11.895104MHz,50ppm,28-ABL,13	NTSC
XP01	2801-001428	CRYSTAL-SMD;28.375MHz,30ppm,28-ABL,7pF,6	PAL
XP01	2801-001430	CRYSTAL-SMD;28.63636MHz,30ppm,28-ABL,7pF	NTSC
XP03	2801-003710	CRYSTAL-SMD;12MHz,100ppm,28-ABN,9.2pF,60	
XP04	2801-000258	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAW,12.5	

Loc. No	Part No	Desc & Spec	Remark
		ASS'Y-FUNCTION BOARD	
CN471	3711-000595	CONNECTOR-HEADER;BOX,10P,1R,2mm,ANGLE,SN	
CN472	3711-000906	CONNECTOR-HEADER;BOX,3P,1R,2mm,ANGLE,SN	EVF
R471	2004-000971	R-METAL;470ohm,1%,1/8W,AA,TP,1.8x3.2mm	
R472	2004-000413	R-METAL;18Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
R473	2004-000798	R-METAL;33Kohm,1%,1/8W,AA,TP,1.8	
R474	2004-000798	R-METAL;33Kohm,1%,1/8W,AA,TP,1.8	
R475	2004-001199	R-METAL;68Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
R476	2004-000971	R-METAL;470ohm,1%,1/8W,AA,TP,1.8x3.2mm	
R477	2004-000413	R-METAL;18Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
R478	2004-000798	R-METAL;33Kohm,1%,1/8W,AA,TP,1.8	
R479	2004-000798	R-METAL;33Kohm,1%,1/8W,AA,TP,1.8	
R480	2004-001199	R-METAL;68Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
SW471	3404-001081	SWITCH-TACT;15V,20mA,130gf,6x6x4.3mm,SPS	
SW472	3404-001081	SWITCH-TACT;15V,20mA,130gf,6x6x4.3mm,SPS	
SW473	3404-001081	SWITCH-TACT;15V,20mA,130gf,6x6x4.3mm,SPS	
SW474	3404-001081	SWITCH-TACT;15V,20mA,130gf,6x6x4.3mm,SPS	
SW475	3404-001081	SWITCH-TACT;15V,20mA,130gf,6x6x4.3mm,SPS	
SW476	3404-001081	SWITCH-TACT;15V,20mA,130gf,6x6x4.3mm,SPS	
SW477	3404-001081	SWITCH-TACT;15V,20mA,130gf,6x6x4.3mm,SPS	
SW478	3404-001081	SWITCH-TACT;15V,20mA,130gf,6x6x4.3mm,SPS	
SW479	3404-001081	SWITCH-TACT;15V,20mA,130gf,6x6x4.3mm,SPS	
SW480	3404-001081	SWITCH-TACT;15V,20mA,130gf,6x6x4.3mm,SPS	
VR471	2101-001049	VR-ROTARY;500OHM,-,-,-	
VR472	2101-001050	VR-ROTARY;50KOHM,30%,1/30W,TOP	
W471	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	
W472	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	
		ASS'Y-FRONT BOARD	
C890	2401-002206	C-AL;47uF,20%,6.3V,GP,TP,5x7,5mm	
CG01	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CG02	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CG06	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CG07	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CG08	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CG09	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CG10	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
CG11	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CG12	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
CG15	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
CG16	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CG17	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608,	
CG18	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
CG19	2203-005221	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,	
CG20	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
CG21	2203-005221	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,	
CG22	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CG23	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CG24	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CG25	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CG26	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,	
CG27	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,	
CG28	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,	
CG29	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,	
CG30	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CG31	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CG32	2404-000139	C-TA,CHIP;10uF,20%,6.3V,-,3216,-,TP	
CG33	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CG34	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CG35	2203-000332	C-CERAMIC,CHIP;12pF,5%,50V,NPO,TP,1608,-	
CG36	2203-000332	C-CERAMIC,CHIP;12pF,5%,50V,NPO,TP,1608,-	
CG37	2203-002793	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,20	
CN890	AD39-00010A	LEAD CONNECTOR-ASSY;-,35023,51021,12P,70	STEREO
CN890	AD39-20826V	LEAD CONNECTOR-ASSY;-,35023,51021,8P,70M	MONO
CN891	3711-000779	CONNECTOR-HEADER;BOX,2P,1R,1.25MM,ANGLE,	MONO
CN891	3711-000922	CONNECTOR-HEADER;BOX,4P,1R,1.25mm,SMD-A,	STEREO
CN893	3711-000456	CONNECTOR-HEADER;3WALL,4P,1R,1.25mm,SMD-	
CN894	3708-001114	CONNECTOR-FPC/FC/PIC;30P,0.5mm,SMD-S,SN	
CN895	3711-002162	CONNECTOR-HEADER;3WALL,2P,1R,1.25mm,SMD-	
CT891	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
D890	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
DG04	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
GY01	AD32-92001C	SENSOR;3V,-,-5to75C,-,0.66V,L33AB0	
GY02	AD32-92001D	SENSOR;3V,-,-5to75C,-,0.66V,L33AB1	
ICG01	AD09-00019A	IC-MICOM;HD6433292 V06X,80,TRAY,-,16 BIT	
ICG03	1201-001193	IC-OP AMP;2112,SOP,14P,173MIL,DUAL,10000	
ICG04	1201-000200	IC-OP AMP;3414,SOP,8P,173MIL,DUAL,-,PLAS	
ICG05	AC14-12007X	IC-LOGIC;TC4S66F,SSOP-5,5P	
ICG06	AC14-12007X	IC-LOGIC;TC4S66F,SSOP-5,5P	
J890	3722-001308	JACK-PHONE;5P,3.6mm,AG,BLK,NO	STEREO
J890	3722-001313	JACK-PHONE;3P,3.6mm,AG,BLK,NO	MONO
J891	AC37-22002Q	JACK-DC;12.5mm,DUAE-9811,4P,BULK,8PIN	
JA891	AC37-22002Q	JACK-DC;12.5mm,DUAE-9811,4P,BULK,8PIN	
JA892	3722-001308	JACK-PHONE;5P,3.6mm,AG,BLK,NO	STEREO
JA892	3722-001313	JACK-PHONE;3P,3.6mm,AG,BLK,NO	MONO
LG01	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LG02	2703-000403	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LG03	2703-001758	INDUCTOR-SMD;100uH,10%,3.2x2.5x2.2mm	
RE890	AD59-60060E	MODULE-REMOCON;DP,PNA4612M00XC,38KHz,940	
RG03	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
RG04	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
RG05	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
RG06	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
RG07	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
RG08	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
RG09	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
RG10	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
RG11	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
RG12	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
RG13	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
RG14	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
RG15	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RG16	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RG17	2007-001026	R-CHIP;560Kohm,5%,1/16W,DA,TP,1608	
RG18	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RG19	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RG21	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RG22	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RG23	2007-001026	R-CHIP;560Kohm,5%,1/16W,DA,TP,1608	
RG24	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RG25	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RG27	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RG28	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
RG29	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
RG36	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RG37	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RM891	AD59-60060E	MODULE-REMOCON;DP,PNA4612M00XC,38KHz,940	
SW890	3409-001035	SWITCH-DETECTOR;3~5V,50uA~10mA,2,30gf,LE	
SW891	3409-001036	SWITCH-DETECTOR;3~5V,50uA~10mA,2,30gf,LE	
SW892	3409-001035	SWITCH-DETECTOR;3~5V,50uA~10mA,2,30gf,LE	
XG01	2801-003246	CRYSTAL-SMD;10MHz,10ppm,28-ABR,12pF,70oh	
		ASS'Y-REAR BOARD	
BT771	AD61-30197A	PLATE-TERMINAL +;-,S-F RM23,T0.5,OD20.7*	
BT772	AD61-30197A	PLATE-TERMINAL +;-,S-F RM23,T0.5,OD20.7*	
BT773	AD61-60630A	SPRING-LITHUM;-,-,C5210R,H,0.25,-,-,SC-L	
BT774	AD61-60629A	SPRING-LITHUM +;-,-,C5210R,H,0.25,-,-,SC	
CN771	3711-004242	CONNECTOR-HEADER;BOX,24P,2R,1MM,SMD-A,SN	
D771	0402-001166	DIODE-RECTIFIER;RL203,200V,2.0A,DO-15,TP	
JA771	AD90-10847B	ASSY-DC JACK;SC-L300,-	
JA772	3722-001202	JACK-PHONE;7P,3.6MM,AG,YEL,NO	
PS771	3601-000418	FUSE-SMD;125V,2A,SLOW-BLOW,CERAMIC,6.1x	LIGHT(O)
PS772	3601-001154	FUSE-SMD;125V,2.5A,SB,CERAMIC,2.69X6.1MM	LIGHT(X)
R771	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R772	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R775	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
SW771	3409-001036	SWITCH-DETECTOR;3~5V,50uA~10mA,2,30gf,LE	
SW772	3404-001084	SWITCH-TACT;15V,20mA,-,6X6X7mm,4	
VR771	2101-001018	VR-ROTARY;50Kohm,30%,1/30W,TOP,-	

8.PCB Diagrams 3/27/95 10:02 AM Page 1

8. PCB Diagrams

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8-11 CCD PCB ---------- 8-16
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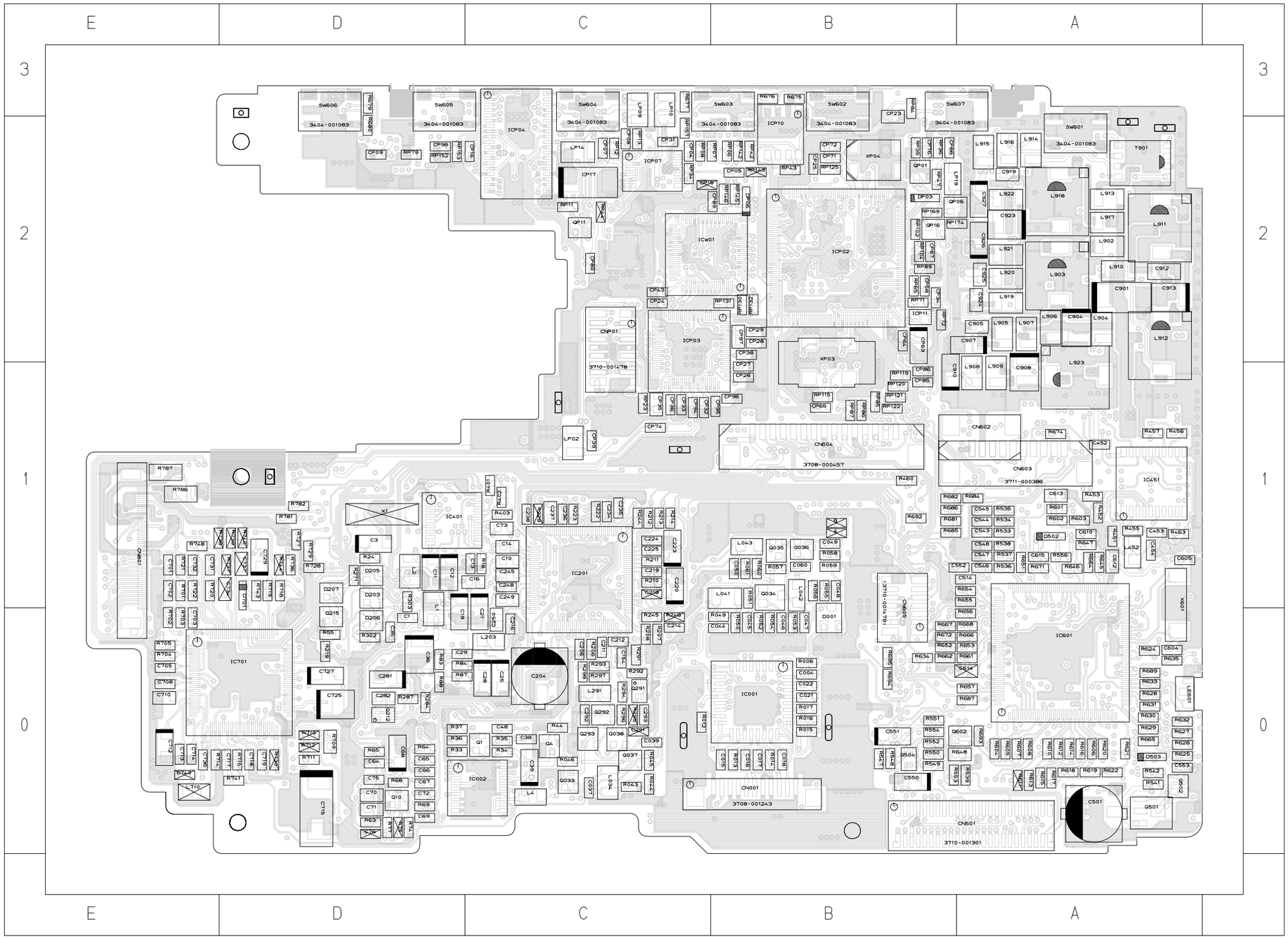
8-1 Main PCB (Component Side)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SW602
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SW607
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ICP10
XP04
QP01
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QP06
QP03
RP169
QP16
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RP89
RP71
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R463
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R624
R625
C612
C605
X601
IC601
R689
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R665
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R671

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C056 (C0)
C061 (D1)
C17 (D2)
C2 (E1)
C20 (D1)
C202 (D1)
C203 (D1)
C207 (D1)
C209 (D1)
C213 (D1)
C215 (D1)
C217 (D1)
C22 (D1)
C226 (D2)
C227 (D2)
C228 (D1)
C229 (D1)
C231 (D2)
C232 (D2)
C239 (D1)

*** IC&WAFER ***

IC502 (B1)
ICP01 (C3)
IC004 (E1)
IC202 (E1)
IC501 (B1)
IC901 (B3)
ICP06 (D3)
ICP08 (D3)
ICP09 (C2)
IC503 (B11)

*** XTAL ***

XP01 (C3)

*** TR ***

Q907 (B3)
Q908 (B3)
Q909 (B3)
Q910 (B2)
QP02 (C2)
QP03 (C3)
QP04 (D2)
QP05 (D3)
QP09 (D3)
QP10 (D3)
QP12 (C2)
QP15 (C3)
Q903 (C2)
Q904 (B2)
Q905 (B2)
Q906 (B3)
Q001 (D1)
Q002 (D1)
Q031 (D1)
Q032 (D1)
Q051 (D0)
Q052 (C0)
Q12 (E0)
Q2 (E1)
Q201 (D1)
Q202 (D1)
Q210 (E1)
Q211 (E1)
Q213 (D1)
Q214 (C1)
Q216 (E1)
Q241 (D1)
Q242 (D1)
Q243 (D0)
Q244 (D1)
Q3 (D1)
Q503 (B1)
Q601 (C1)
Q701 (C1)
Q702 (C1)
Q703 (E1)
Q704 (E1)
Q705 (E1)
Q706 (F1)
Q707 (F1)
Q761 (F2)
Q762 (F2)
Q8 (E0)
Q9 (E0)
Q901 (B3)
Q902 (B2)

*** COIL ***

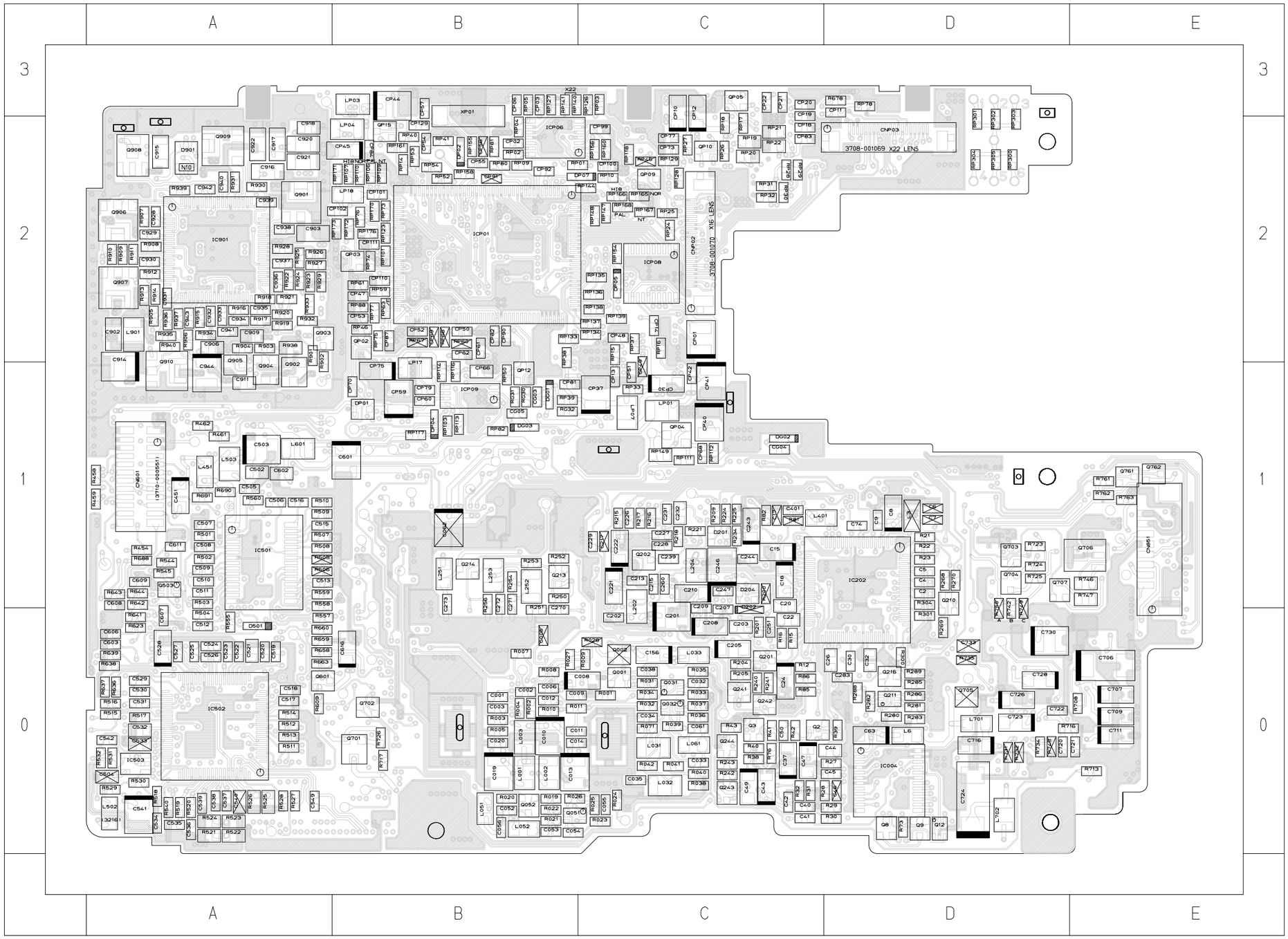
L033 (D1)
L051 (C0)
L052 (C0)
L061 (D1)
L251 (C1)
L3 (E2)
L401 (E2)
L451 (B2)
L502 (B0)
L6 (E1)
L701 (E1)
LP18 (C3)
L001 (C1)
L002 (C1)
L003 (C1)
L031 (D1)
L032 (D1)
L202 (D1)
L204 (D1)
L252 (C1)
L253 (C1)
L503 (B2)
L601 (B2)
L702 (E0)
L901 (B2)
LP01 (D2)
LP03 (C3)
LP04 (C3)
LP07 (D2)
LP17 (C2)

*** DIODE ***

D202 (D1)
D501 (B1)
D901 (B3)
DG01 (C2)
DG02 (D2)
DG03 (C2)
DP02 (C3)
DP04 (C2)
DP05 (D3)
DP07 (D3)
D201 (D2)
D204 (D1)
DP01 (C2)

8.PCB Diagrams 3/27/95 10:02 AM Page 4

8-2 Main PCB (Conductor Side)



8.PCB Diagrams 3/27/95 10:02 AM Page 5

*** TR ***

Q903 (C2)
Q904 (B2)
Q905 (B2)
Q906 (B3)
Q001 (D1)
Q002 (D1)
Q031 (D1)
Q032 (D1)
Q051 (D0)
Q052 (C0)
Q12 (E0)
Q2 (E1)
Q201 (D1)
Q202 (D1)
Q210 (E1)
Q211 (E1)
Q213 (D1)
Q214 (C1)
Q216 (E1)
Q241 (D1)
Q242 (D1)
Q243 (D0)
Q244 (D1)
Q3 (D1)
Q503 (B1)
Q601 (C1)
Q701 (C1)
Q702 (C1)
Q703 (E1)
Q704 (E1)
Q705 (E1)
Q706 (F1)
Q707 (F1)
Q761 (F2)
Q762 (F2)
Q8 (E0)
Q9 (E0)
Q901 (B3)
Q902 (B2)
Q907 (B3)
Q908 (B3)
Q909 (B3)
Q910 (B2)
QP02 (C2)
QP03 (C3)
QP04 (D2)
QP05 (D3)
QP09 (D3)
QP10 (D3)
QP12 (C2)
QP15 (C3)

*** RESISTOR ***

RP73 (C3)
RP74 (C3)
RP75 (C2)
RP76 (C3)
RP77 (C2)
RP78 (E3)
RP80 (C3)
RP81 (C3)
RP82 (C2)
RP88 (C2)
R001 (D1)
R002 (C1)
R003 (C1)
R004 (C1)
R005 (C1)
R007 (C1)
R008 (C1)
R009 (D1)
R010 (C1)
R011 (D1)
R019 (C0)
R020 (C0)
R021 (C0)
R022 (C0)
R023 (D0)
R024 (D0)
R025 (D0)
R026 (D0)
R027 (D1)
R028 (D1)
R031 (D1)
R032 (D1)
R033 (D1)
R034 (D1)
R035 (D1)
R036 (D1)
R037 (D1)
R038 (D1)
R039 (D1)
R040 (D1)
R041 (D1)
R042 (D1)
R071 (D1)
R12 (E1)
R15 (D1)
R16 (D1)
R200 (D1)
R201 (D1)
R204 (D1)
R205 (D1)
R209 (D2)
R21 (E2)
R215 (D2)
R216 (D2)
R217 (D2)
R218 (D2)
R22 (E1)
R221 (D2)
R224 (D2)
R225 (D2)
R23 (E1)
R234 (D2)
R240 (D1)
R241 (D1)
R242 (D1)
R243 (D1)
R250 (D1)
R251 (C1)
R252 (D1)
R253 (C1)
R254 (C1)
R256 (C1)
R268 (E1)
R269 (E1)
R27 (E1)
R270 (E1)
R28 (E0)
R280 (E1)
R281 (E1)
R282 (E1)
R283 (E1)
R285 (E1)
R286 (E1)
R288 (E1)
R289 (E1)
R29 (E0)
R30 (E0)
R300 (E1)
R301 (E1)
R304 (E1)
R31 (E0)
R32 (E0)
R38 (D1)
R39 (E1)
R40 (D1)
R41 (D1)
R42 (D1)
R43 (D1)
R454 (B1)
R458 (B2)
R459 (B2)
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R462 (B2)
R501 (B2)
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R508 (C1)
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R644 (B1)
R658 (C1)
R659 (C1)
R660 (C1)
R663 (C1)
R678 (E3)
R688 (B1)
R690 (B2)
R691 (B2)
R708 (F1)
R713 (F1)
R716 (F1)
R717 (C1)
R723 (E1)
R724 (E1)
R725 (E1)
R726 (C1)
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R731 (E1)
R732 (E1)
R734 (E1)
R735 (E1)
R742 (E1)
R745 (F1)
R746 (F1)
R747 (F1)
R749 (E1)
R750 (E1)
R76 (D1)
R761 (F2)
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R763 (F2)
R81 (D2)
R82 (D2)
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R86 (E1)
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R902 (C2)
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R908 (B3)
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R922 (B3)
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R937 (B2)
R938 (B2)
R939 (B3)
R940 (B2)
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RG31 (C2)
RG32 (D2)
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RP04 (C3)
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RP10 (D3)
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RP128 (D3)
RP129 (D3)
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RP138 (D2)
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RP14 (C3)
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RP15 (D2)
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RP161 (C3)
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RP167 (D3)
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RP170 (C3)
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RP172 (C3)
RP173 (C3)
RP176 (C3)
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RP20 (D3)
RP21 (D3)
RP22 (D3)
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RP26 (D3)
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RP32 (D3)
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RP39 (D2)
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RP45 (D3)
RP46 (C2)
RP50 (C2)
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RP60 (C2)
RP61 (C3)
RP63 (C2)
RP66 (C2)
RP67 (C2)

*** CONDENSER ***

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C003 (C1)
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C006 (C1)
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C032 (D1)
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C053 (C0)
C054 (D0)
C055 (D0)
C056 (C0)
C061 (D1)
C17 (D2)
C2 (E1)
C20 (D1)
C202 (D1)
C203 (D1)
C207 (D1)
C209 (D1)
C213 (D1)
C215 (D1)
C217 (D1)
C22 (D1)
C226 (D2)
C227 (D2)
C228 (D1)
C229 (D1)
C231 (D2)
C232 (D2)
C239 (D1)
C244 (D1)
C247 (D1)
C251 (D1)
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C271 (C1)
C272 (C1)
C273 (C1)
C283 (E1)
C30 (E1)
C32 (E1)
C4 (E1)
C40 (E0)
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C41 (E0)
C42 (D0)
C44 (E1)
C45 (E1)
C46 (E0)
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C50 (D1)
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C513 (C1)
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CG04 (D2)
CG05 (C2)
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CP102 (C3)
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CP110 (C3)
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CP129 (C3)
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CP14 (D2)
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CP20 (E3)
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CP49 (D2)
CP50 (C2)
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CP57 (C3)
CP60 (C2)
CP61 (C2)
CP62 (C2)
CP66 (C2)
CP68 (D2)
CP69 (C2)
CP70 (C2)
CP73 (D3)
CP77 (D3)
CP79 (C2)
CP81 (D2)
CP82 (C2)
CP83 (E3)
CP84 (C3)
CP87 (C2)
CP90 (C2)
CP91 (C3)
CP92 (C3)
CP99 (D3)
CP59 (C2)
CP75 (C2)
C008 (D1)
C010 (C1)
C013 (D1)
C019 (C1)
C062 (C2)
C15 (D1)
C156 (D1)
C18 (D1)
C201 (D1)
C205 (D1)
C208 (D1)
C210 (D1)
C221 (D1)
C222 (D1)
C24 (D1)
C243 (D2)
C246 (D1)
C37 (D1)
C43 (D0)
C451 (B2)
C47 (E1)
C49 (D0)
C503 (B2)
C528 (B1)
C541 (B0)
C601 (C2)
C616 (C1)
C63 (E1)
C706 (F1)
C707 (F1)
C709 (F1)
C711 (F1)
C716 (E1)
C723 (E1)
C724 (E0)
C726 (E1)
C728 (E1)
C730 (F1)
C8 (E2)
C914 (B2)
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CP01 (D2)
CP10 (D3)
CP12 (D3)
CP30 (D2)
CP37 (D2)
CP40 (D2)
CP41 (D2)
CP44 (C3)
CP45 (C3)
CN601 (B2)
CN851 (F1)
CNP02 (D3)
CNP03 (E3)

*** DIODE ***

D202 (D1)
D501 (B1)
D901 (B3)
DG01 (C2)
DG02 (D2)
DG03 (C2)
DP02 (C3)
DP04 (C2)
DP05 (D3)
DP07 (D3)
D201 (D2)
D204 (D1)
DP01 (C2)

*** IC&WAFER ***

IC502 (B1)
ICP01 (C3)
IC503 (B1)
IC004 (E1)
IC202 (E1)
IC501 (B1)
IC901 (B3)
ICP06 (D3)
ICP08 (D3)
ICP09 (C2)

*** COIL ***

L033 (D1)
L051 (C0)
L001 (C1)
L002 (C1)
L003 (C1)
L031 (D1)
L032 (D1)
L202 (D1)
L204 (D1)
L252 (C1)
L253 (C1)
L503 (B2)
L601 (B2)
L702 (E0)
L901 (B2)
LP01 (D2)
LP03 (C3)
LP04 (C3)
LP07 (D2)
LP17 (C2)
L052 (C0)
L061 (D1)
L251 (C1)
L3 (E2)
L401 (E2)
L451 (B2)
L502 (B0)
L6 (E1)
L701 (E1)
LP18 (C3)

*** XTAL ***

XP01 (C3)

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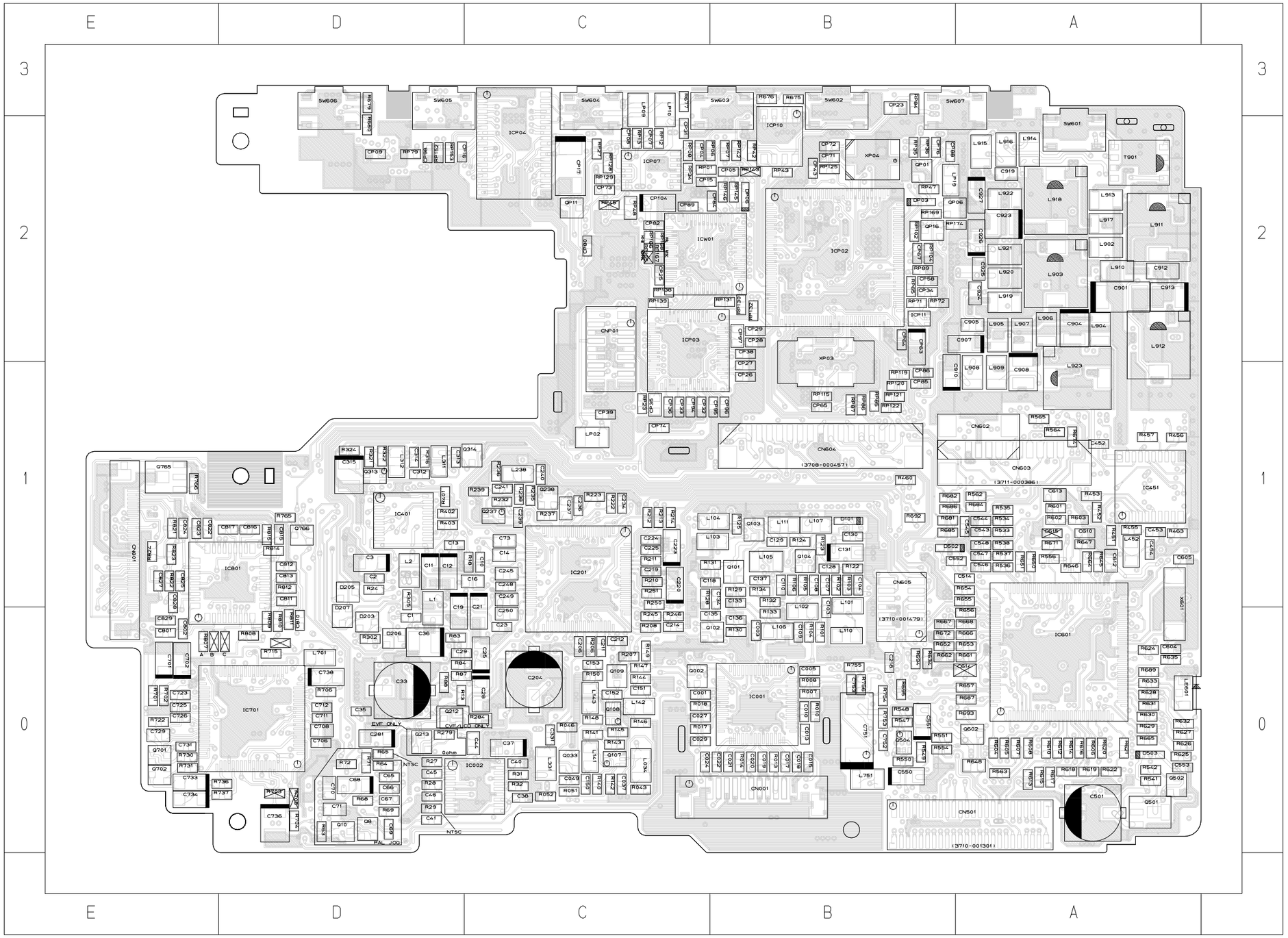
8-3 Main PCB (Hi-8) (Component Side)



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*** IC&WAFER ***

X601 (B1)
XP03 (C2)
XP04 (C3)

IC001 (C1)
IC002 (E0)
IC201 (D1)
ICP11 (C2)
IC401 (E2)
IC451 (B2)
IC801 (F1)
IC701 (E1)
ICP07 (D3)
ICP10 (C3)
ICW01 (D3)
ICP03 (D2)
ICP04 (D3)
IC601 (B1)
ICP02 (C3)

*** TR ***

Q002 (D1)
Q033 (D1)
Q10 (E0)
Q101 (D1)
Q102 (D1)
Q103 (C2)
Q104 (C1)
Q107 (D1)
Q108 (D1)
Q109 (D1)
Q212 (E1)
Q213 (E1)
Q237 (D2)
Q238 (D2)
Q313 (E2)
Q314 (E2)
Q501 (B0)
Q502 (B0)
Q504 (C1)
Q602 (C1)
Q701 (F1)
Q702 (F1)
Q765 (F2)
Q766 (E2)
Q8 (E0)
QP01 (C3)
QP11 (D3)
QP06 (C3)
QP16 (C3)

*** DIODE ***

D101 (C2)
DP03 (C3)
DP06 (C3)
D502 (C1)
D503 (B1)
D203 (E1)
D205 (E1)
D206 (E1)
D207 (E1)

*** RESISTOR ***

R451 (B2)
R452 (B2)
R453 (B2)
R455 (B2)
R456 (B2)
R457 (B2)
R460 (C2)
R463 (B2)
R533 (B2)
R534 (B2)
R535 (B2)
R536 (B1)
R537 (B1)
R538 (B1)
R541 (B1)
R542 (B1)
R547 (C1)
R548 (C1)
R549 (C1)
R550 (C1)
R551 (C1)
R554 (C1)
R556 (B1)
R562 (C2)
R563 (B1)
R564 (B2)
R565 (B2)
R601 (B2)
RP72 (C2)
RP79 (E3)
RP84 (C3)
RP85 (C2)
RP86 (C2)
RP87 (C2)
RP89 (C3)

R18 (E1)
R150 (D1)
R206 (D1)
R207 (D1)
R208 (D1)
R210 (D1)
R211 (D1)
R212 (D2)
R213 (D2)
R214 (D2)
R222 (D2)
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R232 (D2)
R235 (D2)
R236 (D2)
R237 (D2)
R238 (D2)
R239 (E2)
R24 (E1)
R245 (D1)
R246 (D1)
R250 (D1)
R251 (D1)
R27 (E1)
R279 (E1)
R28 (E0)
R284 (E1)
R29 (E0)
R302 (E1)
R305 (E1)
R31 (D1)
R316 (E2)
R32 (D0)
R324 (E2)
R321 (E2)
R322 (E2)
R401 (E2)
R402 (E2)
R403 (E2)

R007 (C1)
R008 (C1)
R010 (C1)
R013 (C1)
R014 (C1)
R017 (D1)
R018 (D1)
R043 (D0)
R046 (D1)
R051 (D0)
R052 (D0)
R101 (C1)
R102 (C1)
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C133 (D1)
C134 (D1)
C135 (D1)
C136 (C1)
C137 (C1)
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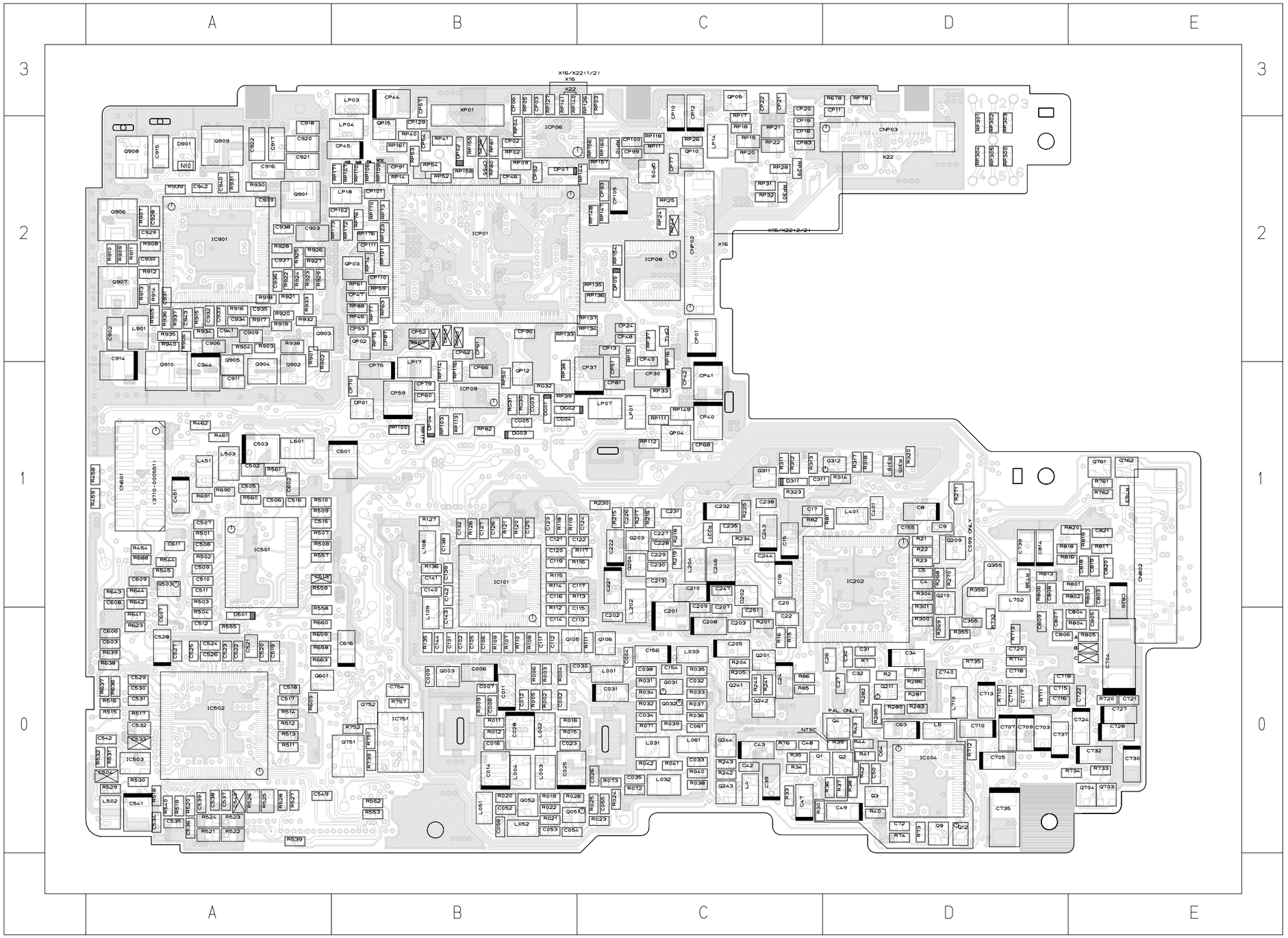
C151 (D1)
C152 (D1)

8.PCB Diagrams 3/27/95 10:02 AM Page 8

8-4 Main PCB (Hi-8) (Conductor Side)



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*** RESISTOR ***

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DP07 (D3)
DP04 (C2)
DP05 (D3)

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CG03 (C2)
CG04 (D2)
CG05 (C2)
CP02 (C3)
CP03 (C3)
CP06 (C3)
CP100 (D3)
CP101 (C3)
CP102 (C3)
CP11 (E3)
CP110 (C3)
CP111 (C3)
CP129 (C3)
CP13 (D2)
CP14 (D2)
CP18 (E3)
CP19 (E3)
CP20 (E3)
CP21 (D3)
CP22 (D3)
CP24 (D2)
C243 (D2)
C246 (D1)
C928 (B3)
C929 (B3)
C930 (B3)
C931 (B2)
C932 (B2)
C933 (B2)
C934 (B2)
C935 (B2)
C936 (B3)
C937 (B3)
C938 (B3)
C939 (B3)
C940 (B3)
C941 (B2)
C942 (B3)
C943 (B2)

CP87 (C2)
CP68 (D2)
CP70 (C2)
CP90 (C2)
CP91 (C3)
CP92 (C3)
CP93 (D3)
CP99 (D3)
CP42 (D2)
CP46 (C3)
CP47 (C2)
CP48 (D2)
CP49 (D2)
CP50 (C2)
CP51 (D2)
CP52 (C2)
CP53 (C2)
CP54 (C3)
CP55 (C3)
CP56 (C3)
CP57 (C3)
CP66 (C2)
CP60 (C2)
CP61 (C2)
CP62 (C2)
CP77 (D3)
CP79 (C2)
CP81 (D2)
CP83 (E3)
C906 (B2)
C909 (B2)
C911 (B2)
C915 (B3)
C916 (B3)
C917 (B3)
C918 (C3)
C920 (B3)
C921 (B3)
C922 (B3)

*** CONDENSER ***

C503 (B2)
C528 (B1)
C541 (B0)
C47 (E0)
C49 (E0)
C601 (C2)
C616 (C1)
C63 (E1)
C944 (B2)
CP01 (D2)
CP10 (D3)
C703 (F1)
C704 (F1)
C705 (E1)
C707 (E1)
C709 (E1)
C710 (E1)
C713 (E1)
C724 (F1)
C727 (F1)
C728 (F1)
C730 (F1)
C732 (F1)
CP105 (D3)
CP12 (D3)
C735 (E0)
C34 (E1)
C737 (F1)
C201 (D1)
C739 (E1)
C210 (D1)
C8 (E2)
C814 (F1)
C826 (F1)
CP30 (D2)
CP37 (D2)
CP40 (D2)
CP41 (D2)
CP44 (C3)

CP45 (C3)
CP59 (C2)
C914 (B2)
CP75 (C2)
CN802 (F1)
CN601 (B2)
CNP02 (D3)
CNP03 (E3)
C006 (C1)
C011 (C1)
C014 (C1)
C025 (D1)
C028 (C1)
C031 (D1)
C39 (D1)
C43 (D1)
C451 (B2)
C15 (D1)
C156 (D1)
C18 (D1)
C205 (D1)
C208 (D1)
C221 (D1)
C222 (D1)
C232 (D2)
C24 (D1)

*** IC&WAFER ***

IC004 (E1)
IC101 (C1)
IC751 (C1)
IC202 (E1)
IC502 (B1)
ICP01 (C3)
IC501 (B1)
IC901 (B3)
ICP06 (D3)
ICP08 (D3)
ICP09 (C2)
IC503 (B1)

L001 (D1)
L033 (D1)
L051 (C0)
L052 (C0)
L061 (D1)
L6 (E1)
L702 (E1)
L710 (E1)
LP18 (C3)
L108 (C1)
L109 (C1)
L4 (D0)
L401 (E2)
L451 (B2)
L002 (C1)
L003 (C1)
L004 (C1)
L031 (D1)
L032 (D1)
LP01 (D2)
LP03 (C3)
LP14 (D3)
LP17 (C2)
L202 (D1)
L204 (D1)
LP04 (C3)
LP07 (D2)
L502 (B0)
L503 (B2)
L601 (B2)
L901 (B2)

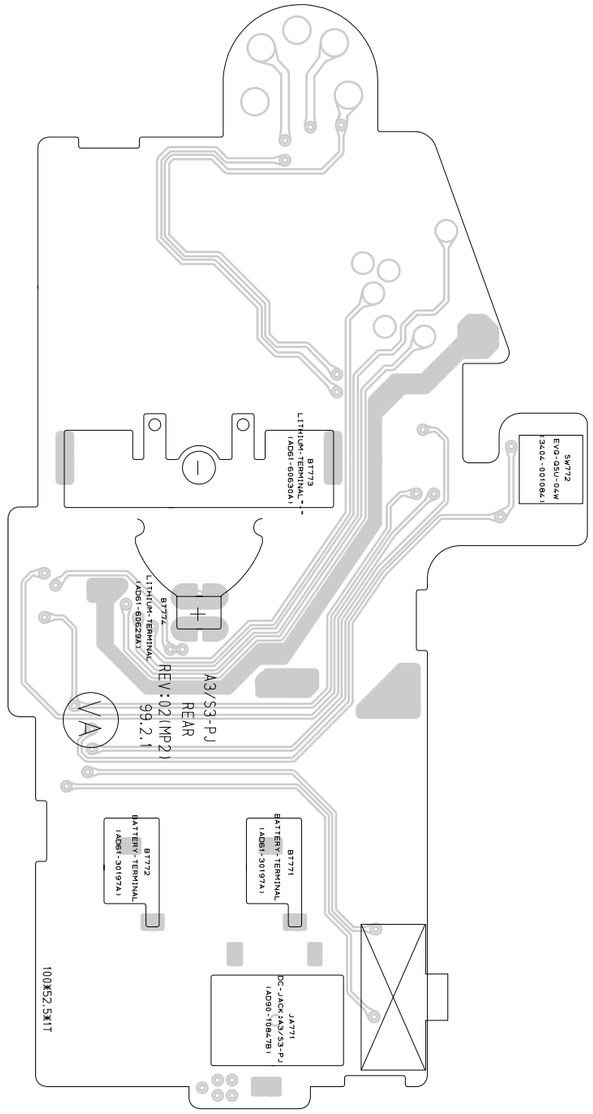
Q031 (D1)
Q032 (D1)
Q051 (D0)
Q052 (C0)
Q1 (E1)
Q12 (E0)
Q2 (E1)
Q201 (D1)
Q203 (D1)
Q204 (D1)
Q209 (E1)
Q210 (E1)
Q211 (E1)

*** TR ***

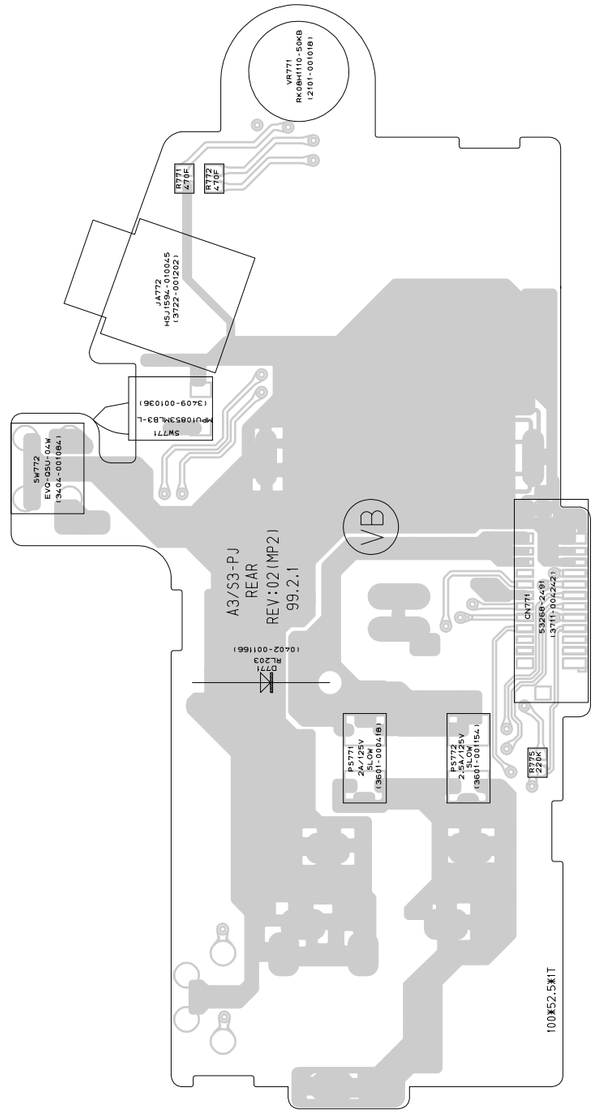
Q242 (D1)
Q243 (D0)
Q244 (D1)
Q3 (E0)
Q311 (D2)
Q312 (E2)
Q355 (E1)
Q4 (E1)
QP02 (C2)
QP03 (C3)
QP04 (D2)
QP05 (D3)
QP09 (D3)
QP10 (D3)
QP12 (C2)
QP15 (C3)
Q503 (B1)
Q601 (C1)
Q703 (F0)
Q704 (F0)
Q751 (C1)
Q752 (C1)
Q761 (F2)
Q762 (F2)
Q105 (D1)
Q106 (D1)
Q241 (D1)
Q9 (E0)
Q901 (B3)
Q902 (B2)
Q903 (C2)
Q904 (B2)
Q905 (B2)
Q906 (B3)
Q907 (B3)
Q908 (B3)
Q909 (B3)
Q910 (B2)
Q003 (C1)

8.PCB Diagrams 3/27/95 10:02 AM Page 10

8-5 Rear PCB



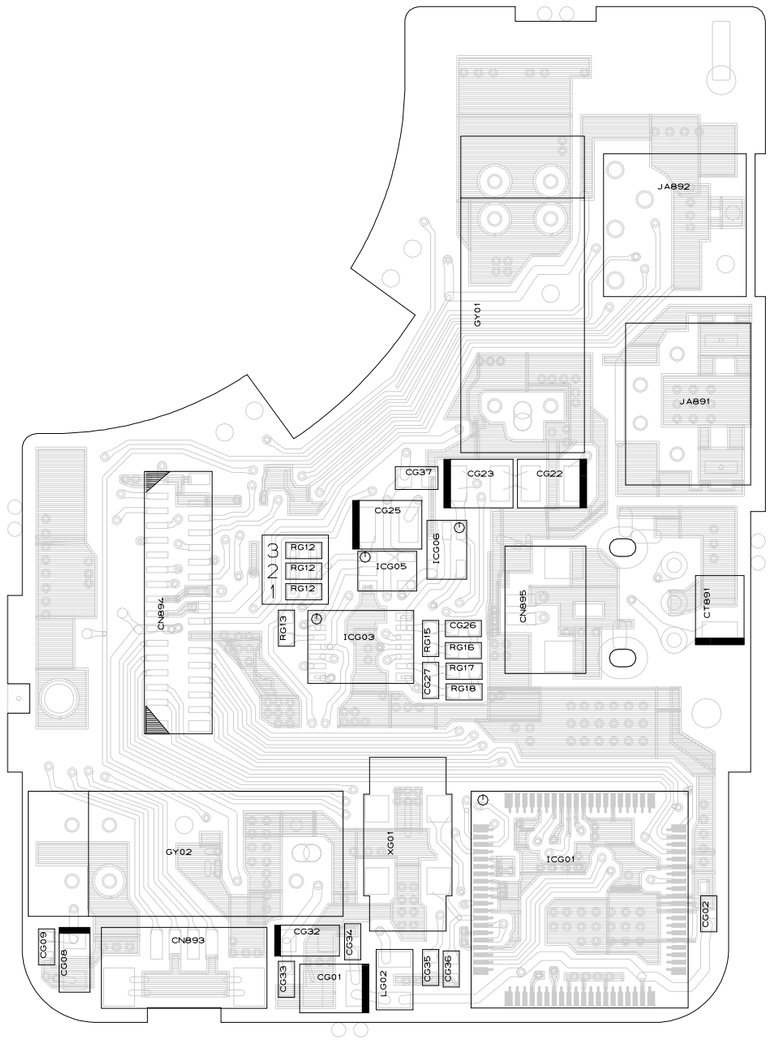
(Component Side)



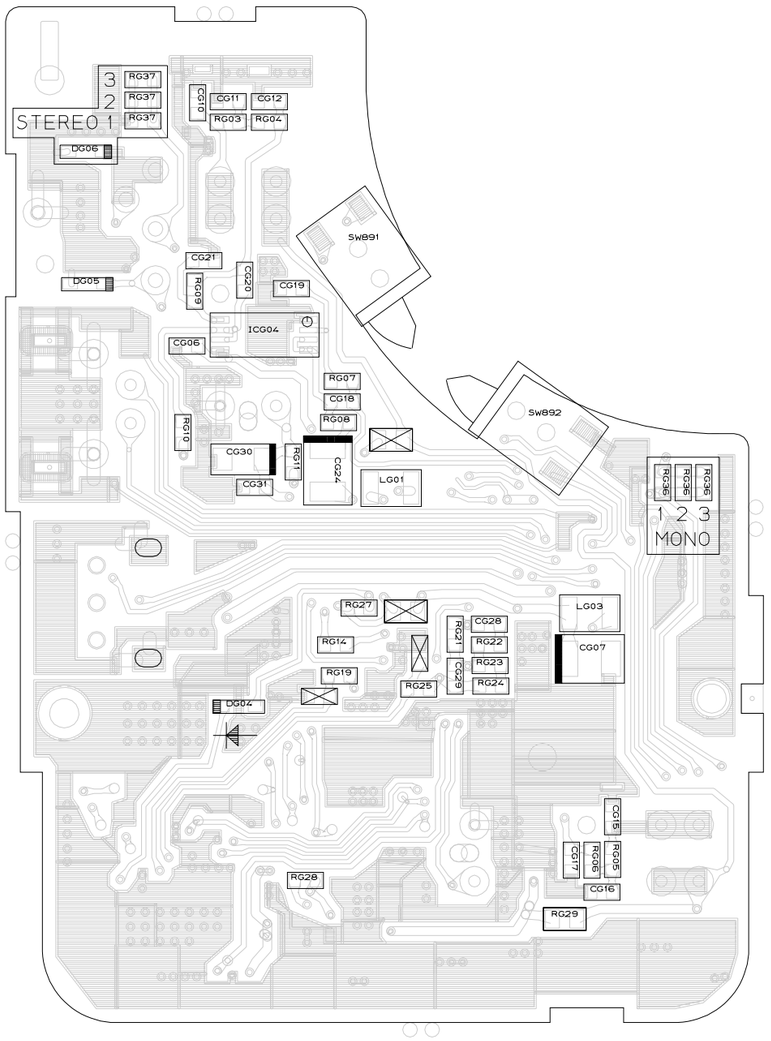
(Conductor Side)

8.PCB Diagrams 3/27/95 10:03 AM Page 11

8-6 Front PCB with EIS



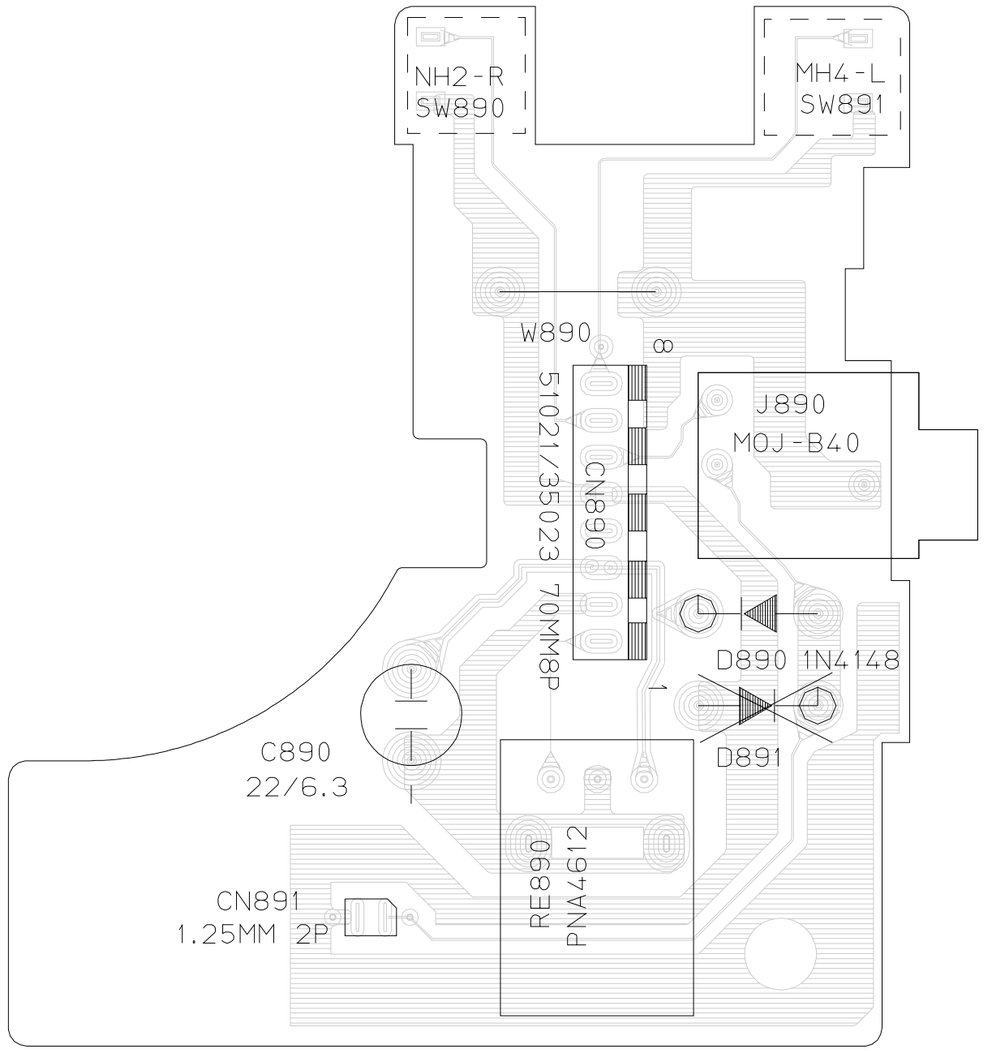
(Component Side)



(Conductor Side)

8.PCB Diagrams 3/27/95 10:03 AM Page 12

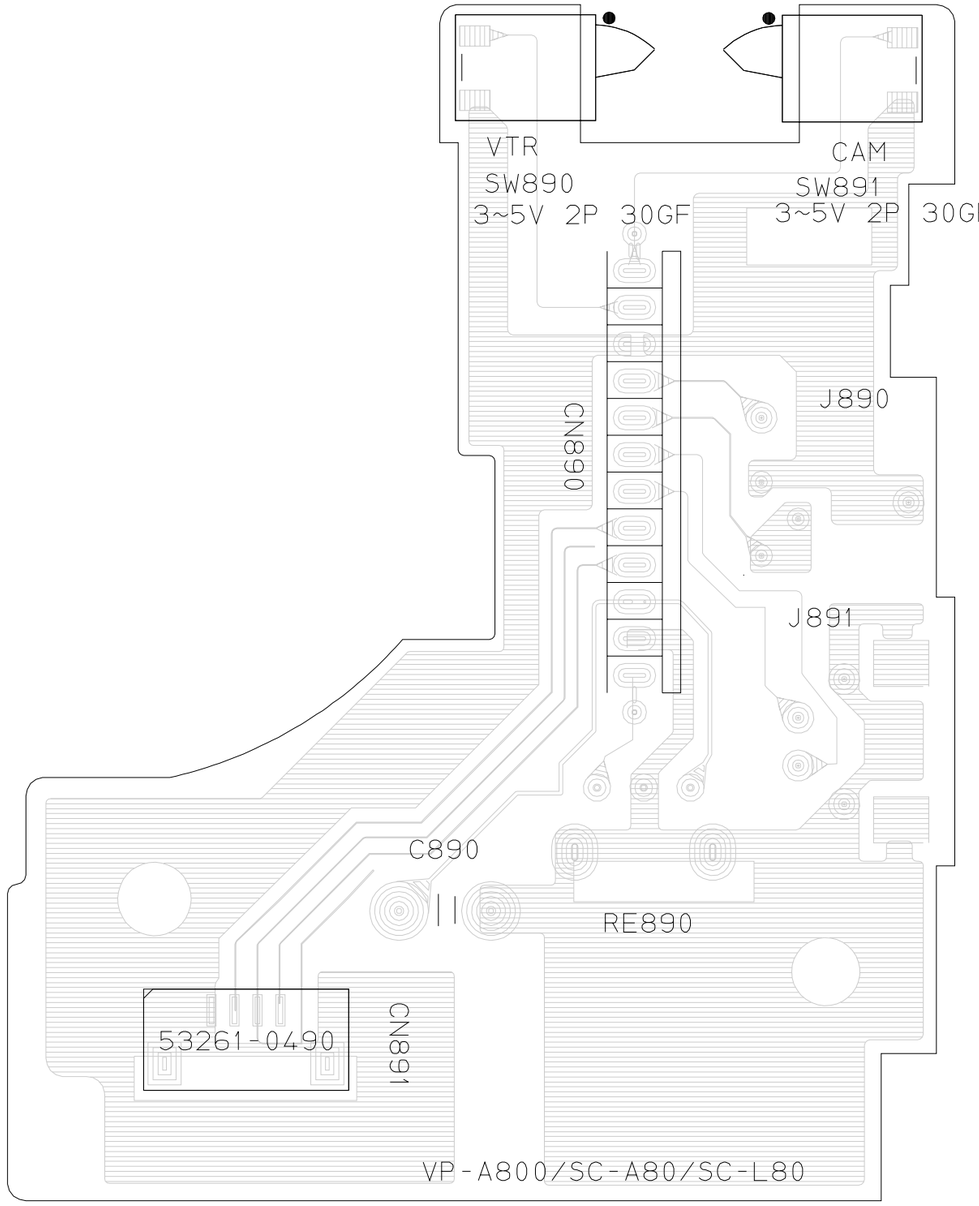
8-7 Front PCB without EIS (Mono)



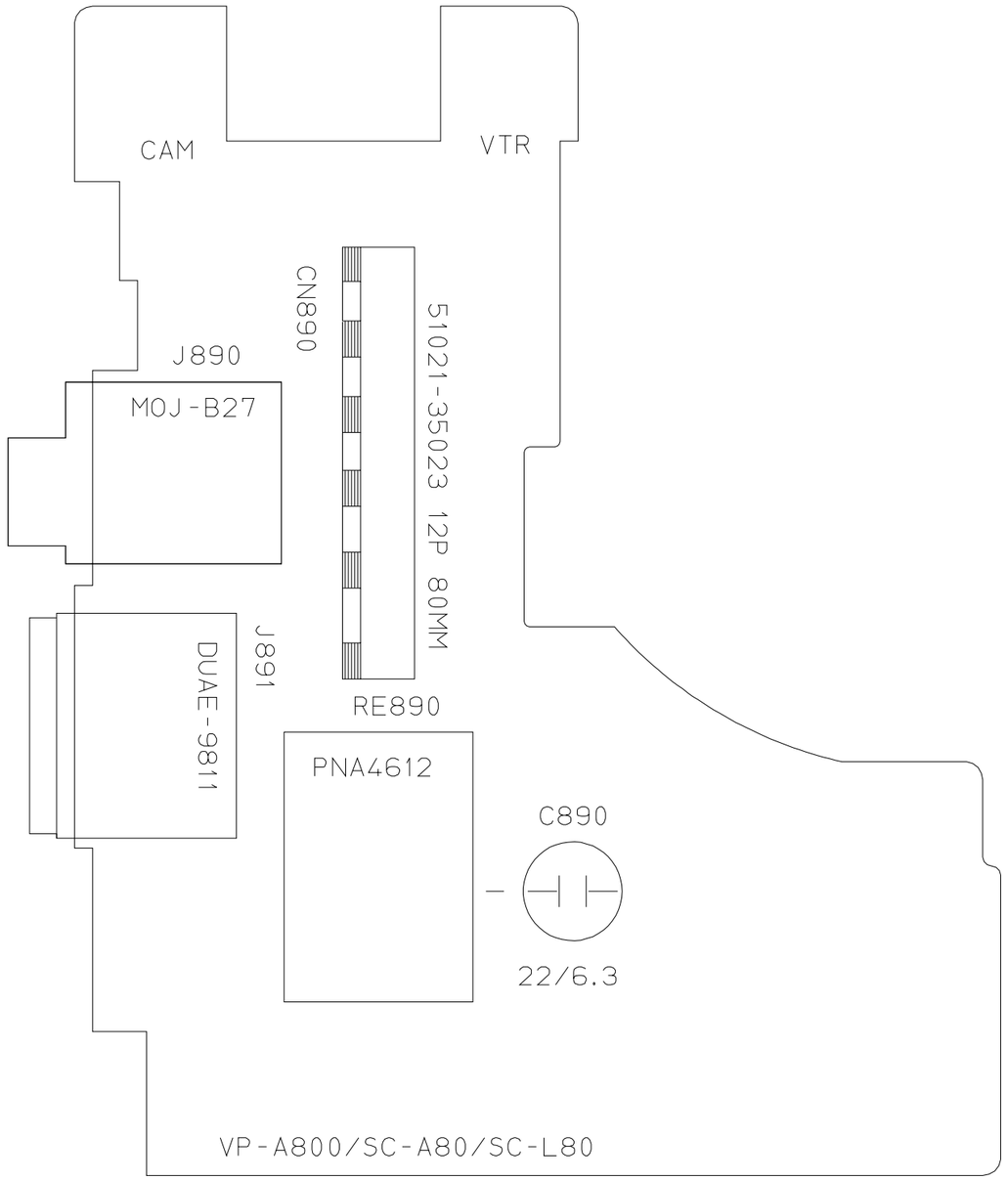
(Component Side)

8.PCB Diagrams 3/27/95 10:03 AM Page 13

8-8 Front PCB without EIS (Stereo)



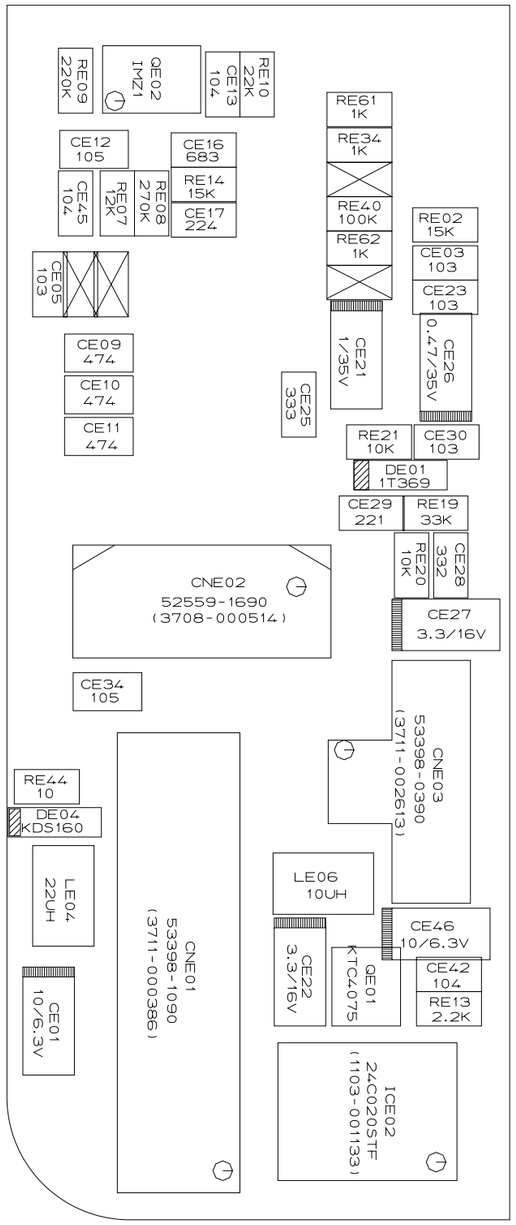
(Component Side)



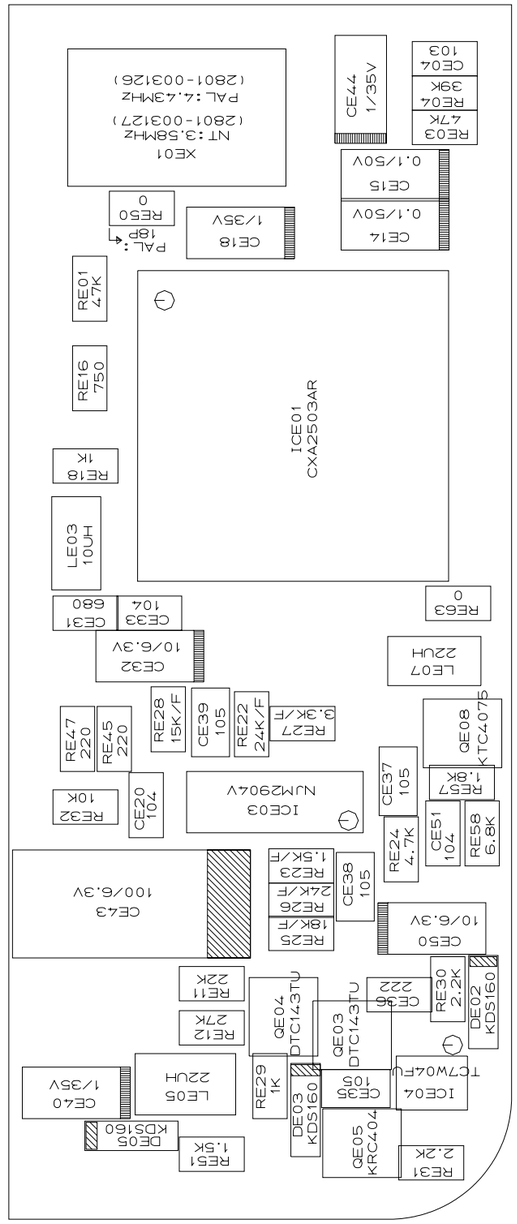
(Conductor Side)

8.PCB Diagrams 3/27/95 10:03 AM Page 14

8-9 CVF PCB



(Component Side)



(Conductor Side)

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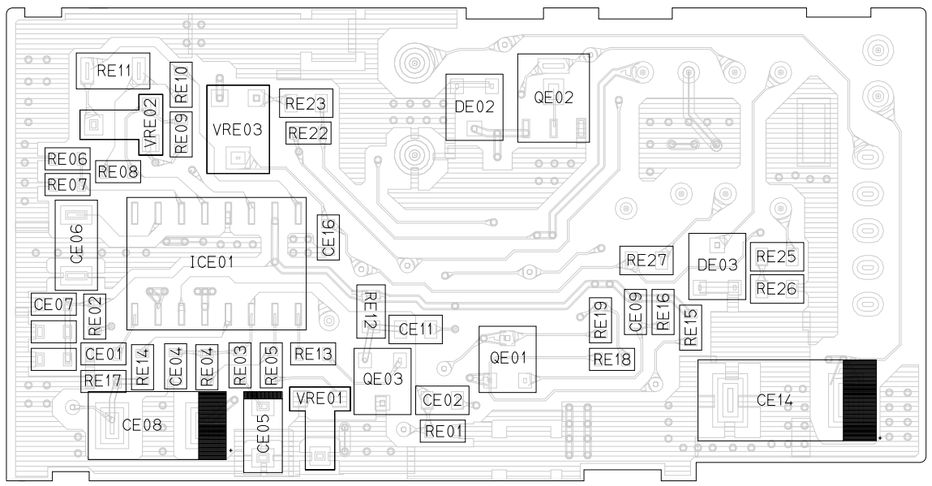
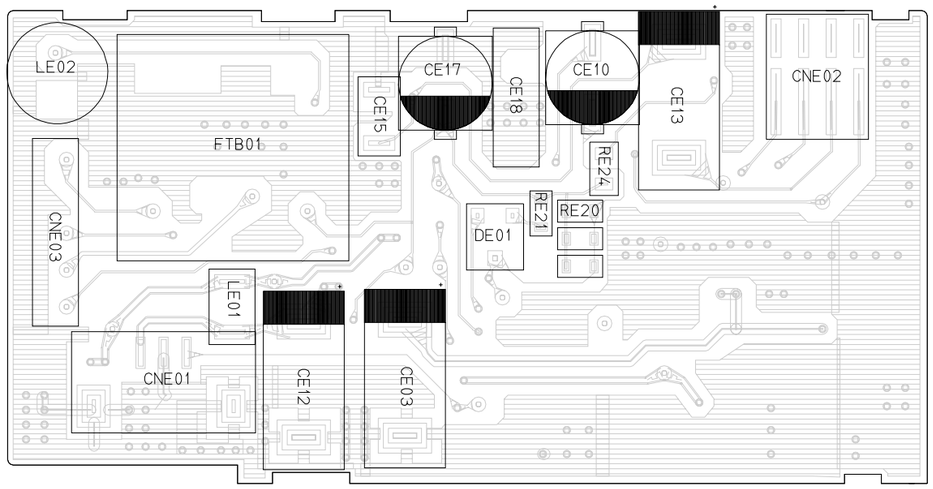
8-10 EVF PCB

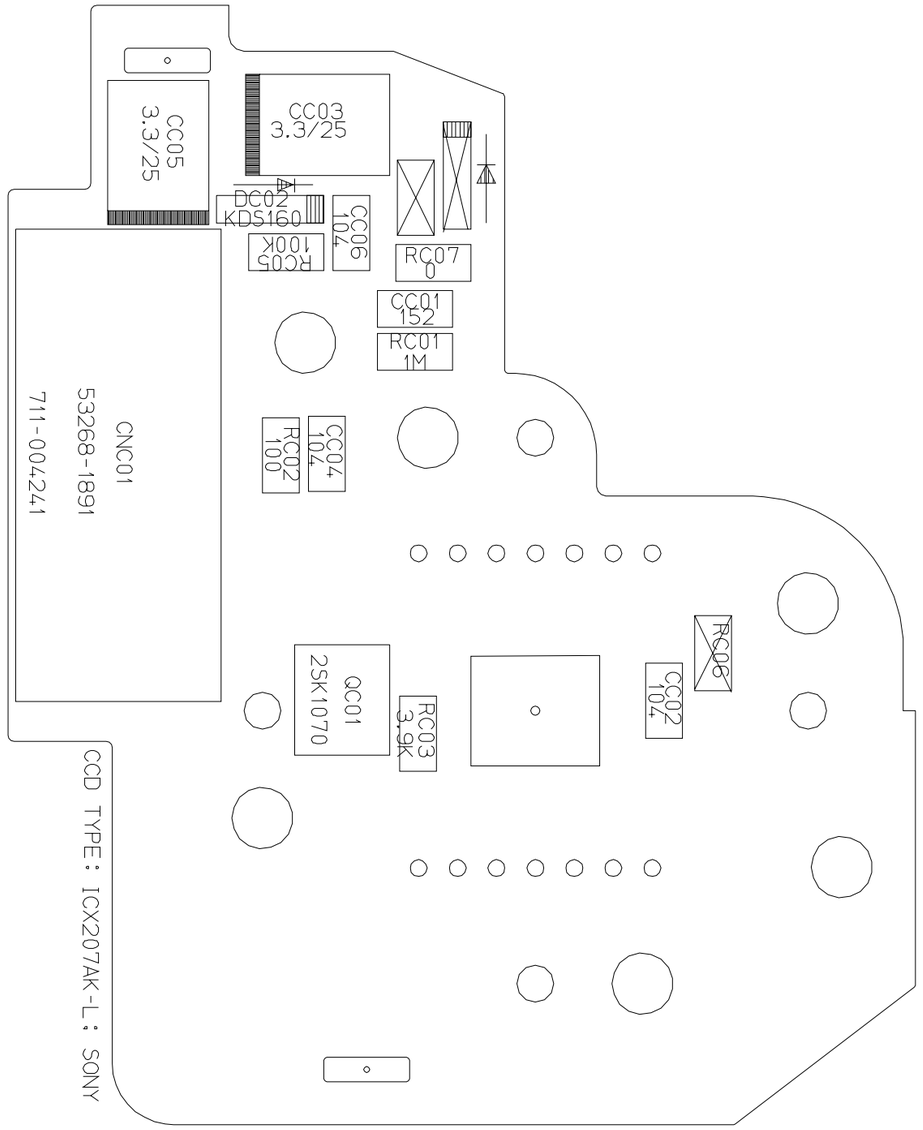


(Component Side)

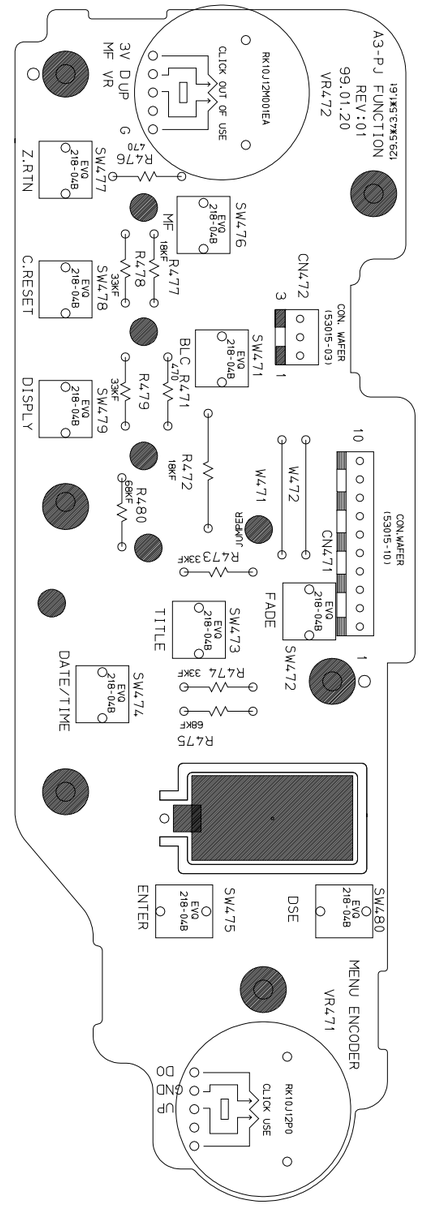


(Conductor Side)

8-11 CCD PCB

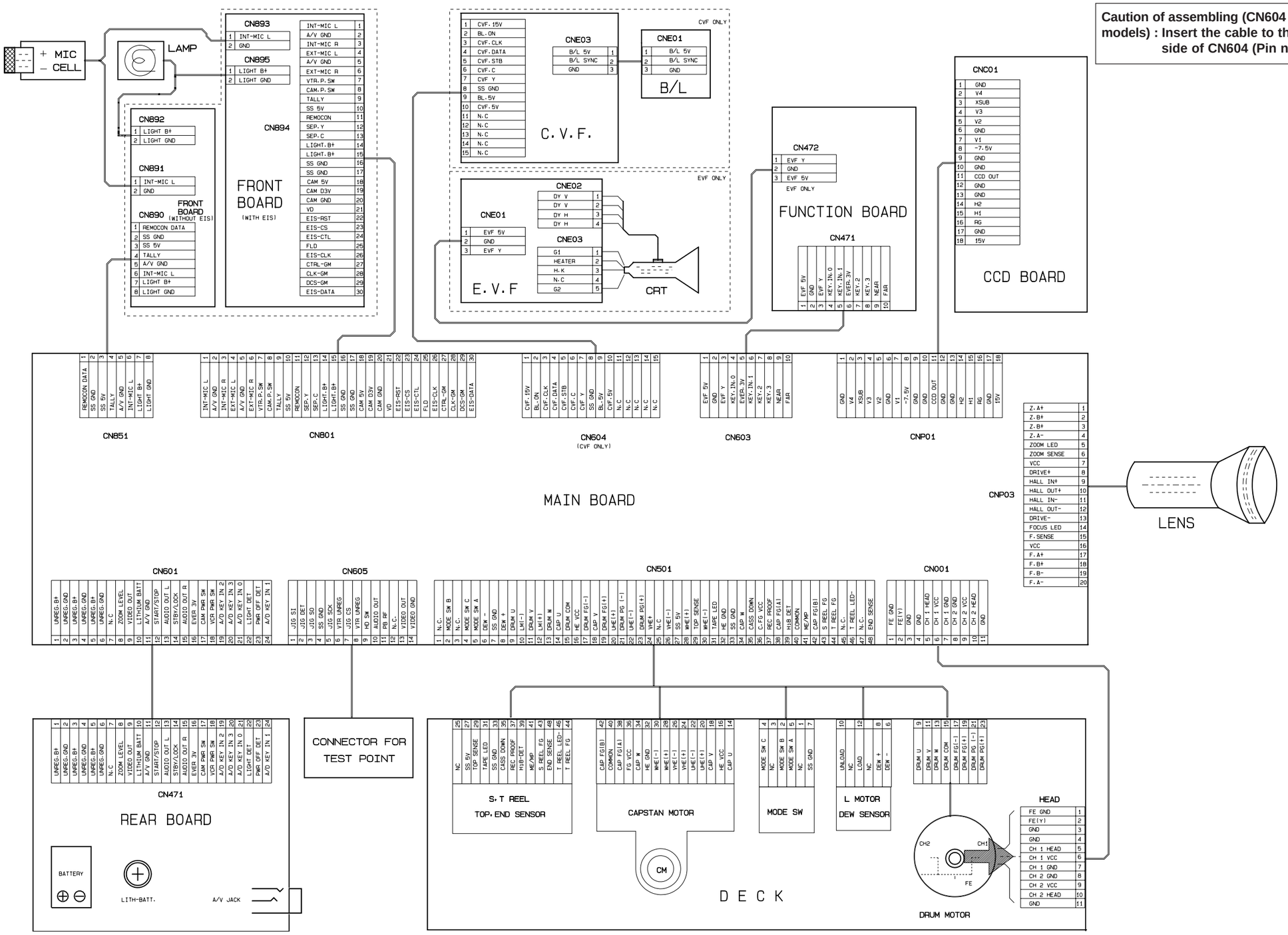


8-12 Function PCB



9. Wring Diagram

Caution of assembling (CN604 of the CVF models) : Insert the cable to the left most side of CN604 (Pin no.1 side)



10. Schematic Diagrams

10-1 DC/DC Converter (Main) ---------- 10-2
10-2 System Control/Servo (Main) ---------- 10-3
10-3 Video (Normal) (Main) ---------- 10-4
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10-5 Audio (Mono) (Main) ---------- 10-6
10-6 Audio (Stereo) (Main) ---------- 10-7
10-7 Camera (Main) ---------- 10-8
10-8 Rear ---------- 10-9
10-9 CCD ---------- 10-10
10-10 CVF ---------- 10-12
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10-13 Front without EIS (Mono) ---------- 10-14
10-14 Front without EIS (Stereo) ---------- 10-15
10-15 Function ---------- 10-16

Note

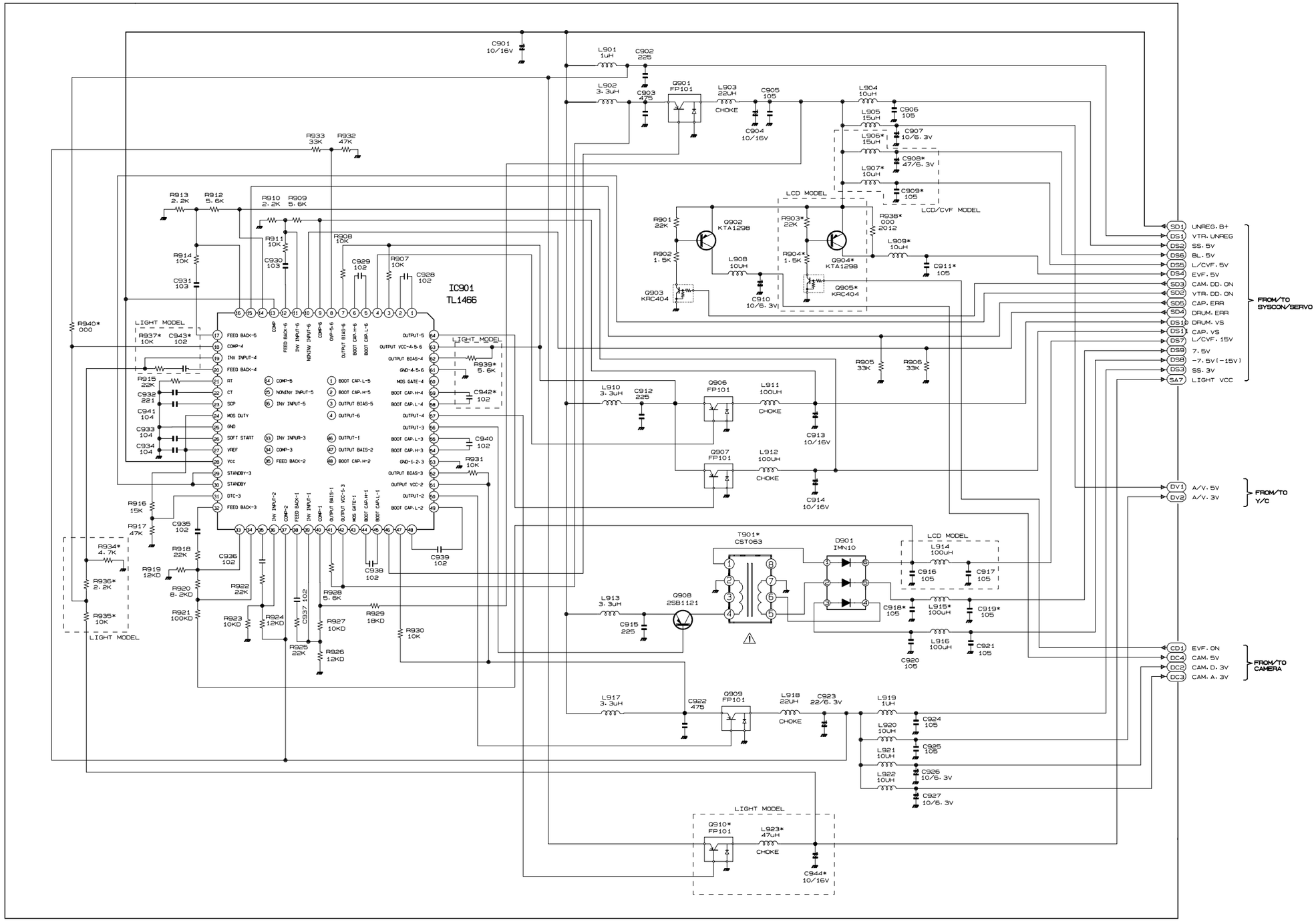
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.
- Circled numbers refer to waveforms.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the “electrostatically sensitive (ES) devices” section of this service manual.

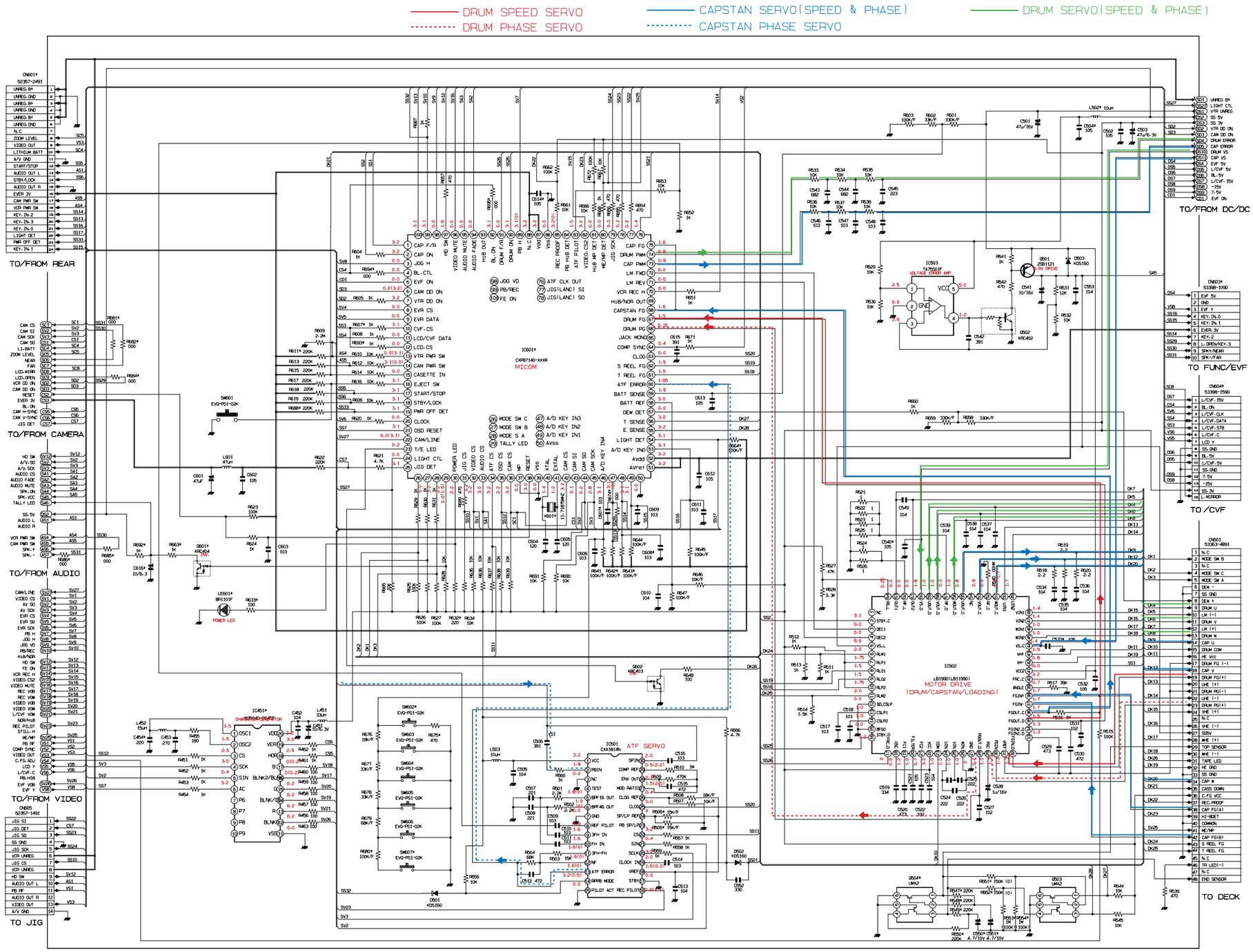
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components. Use only the same type.

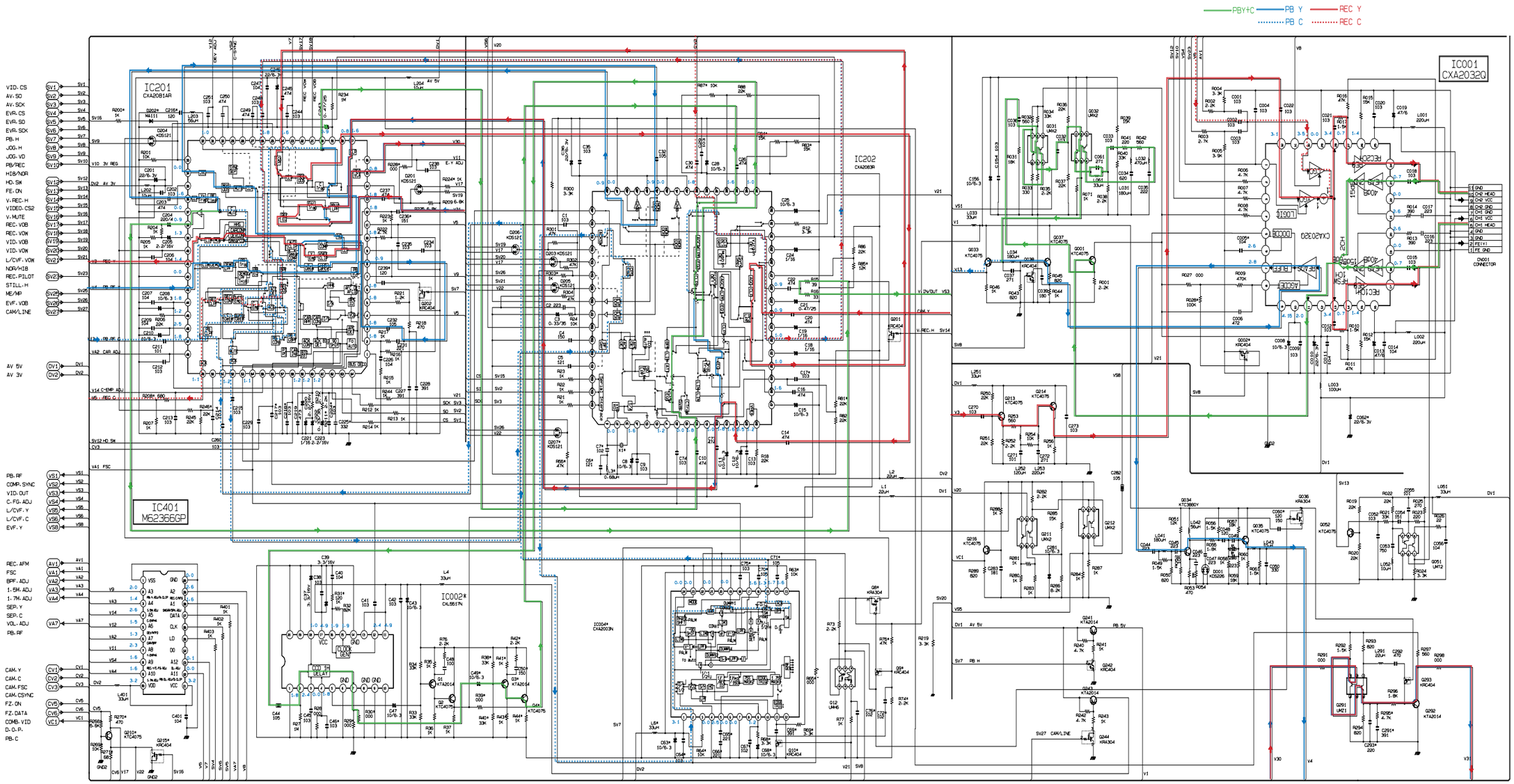
10-1 DC/DC Converter (Main)



10-2 System Control/Servo (Main)

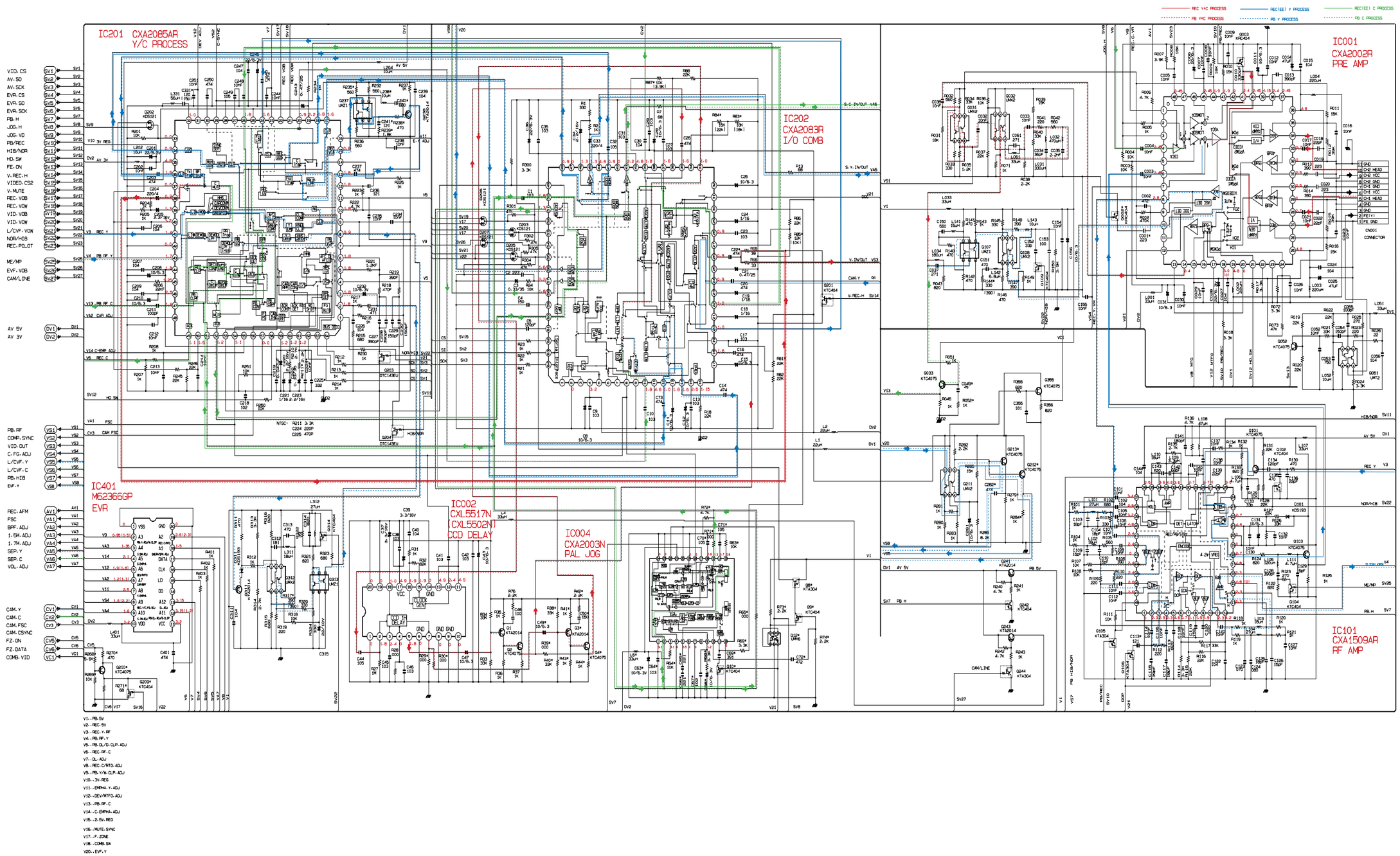


10-3 Video (Normal) (Main)

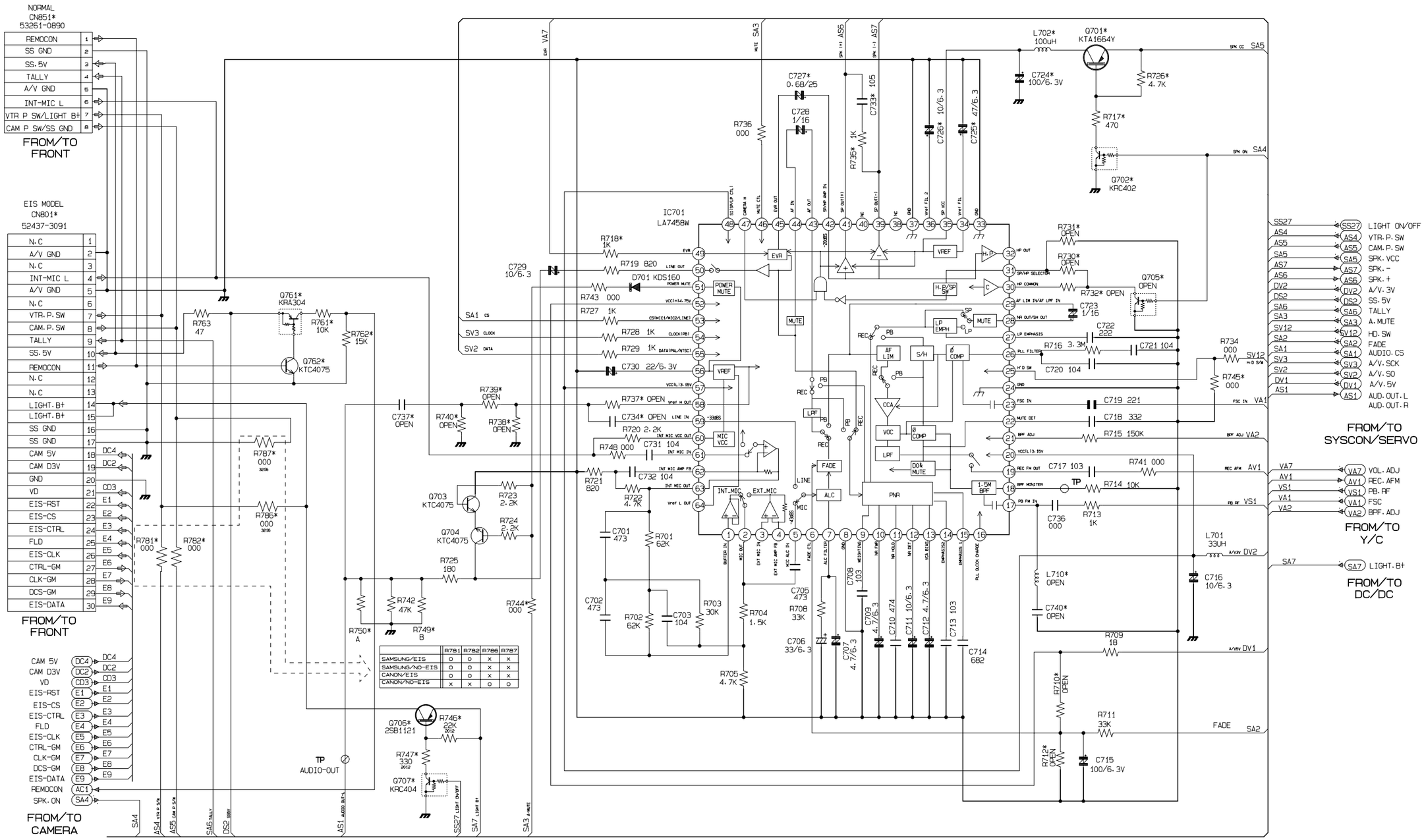


V1. - PB. 5V
V2. - REC. 5V
V3. - REC. Y. RF
V4. - PB. RF. Y
V5. - PB. CLP/D. CLP. ADJ
V6. - REC. RF. C
V7. - DL. ADJ
V8. - REC. C/MTG. ADJ
V9. - PB. Y/W. CLP. ADJ
V10. - 3V. REG
V11. - EMPHA. Y. ADJ
V12. - DEV/MTFD. ADJ
V13. - PB. RF. C
V14. - C. EMPHA. ADJ
V15. - 2. 5V. REG
V16. - MUTE. SYNC
V17. - F. ZONE
V18. - COMB. SW

10-4 Video (Hi-8) (Main)



10-5 Audio (Mono) (Main)



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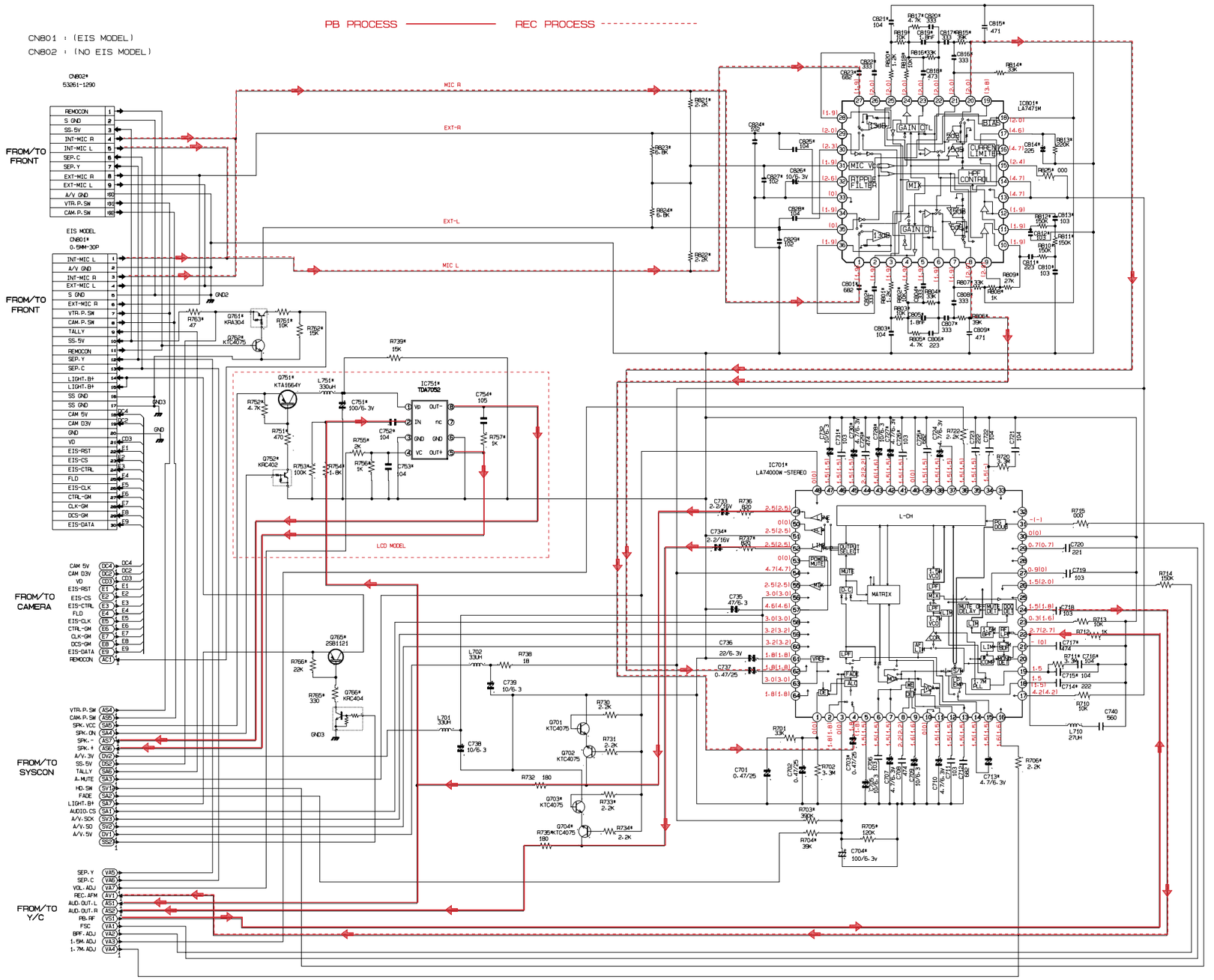
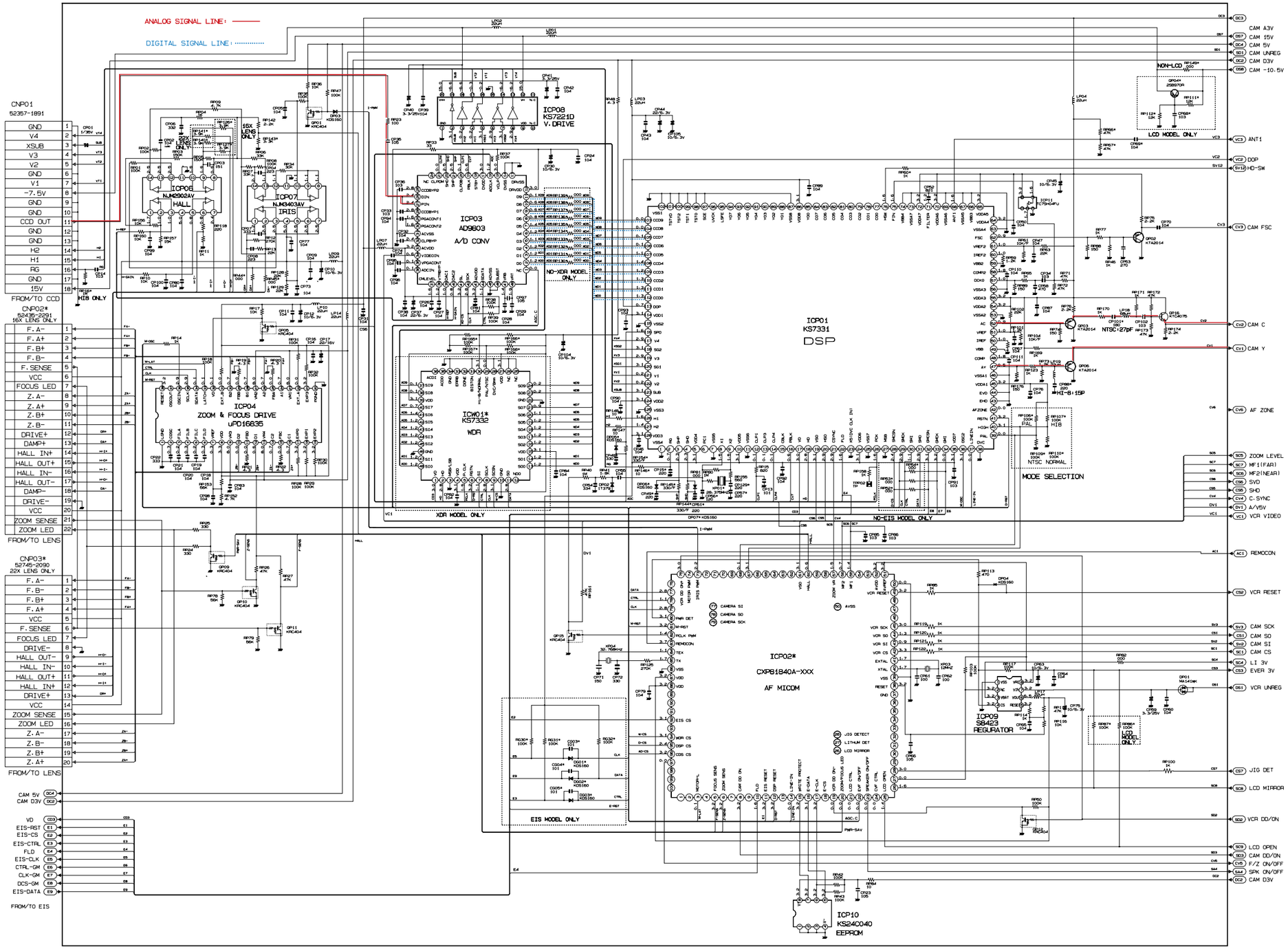
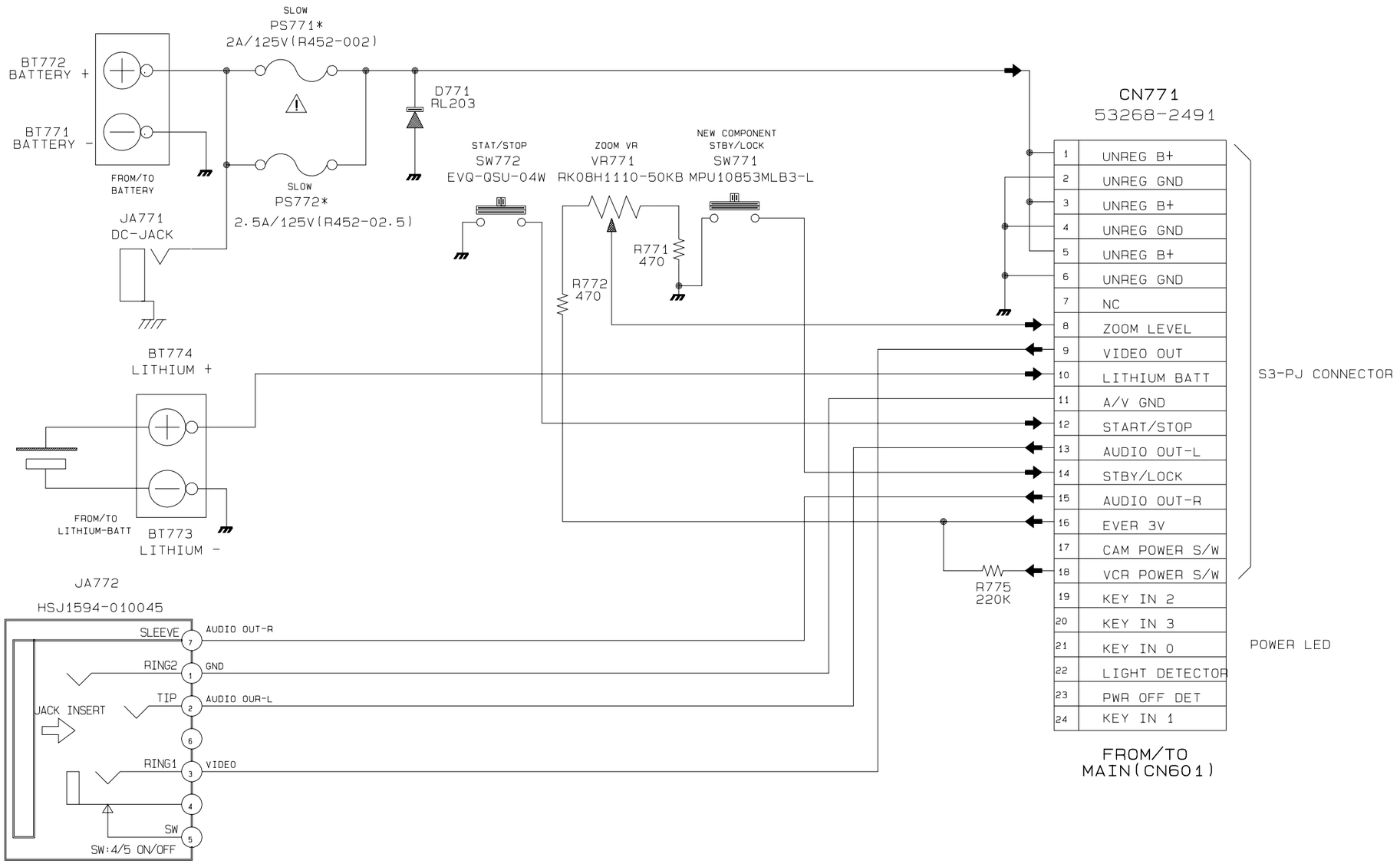
10-6 Audio (Stereo) (Main)



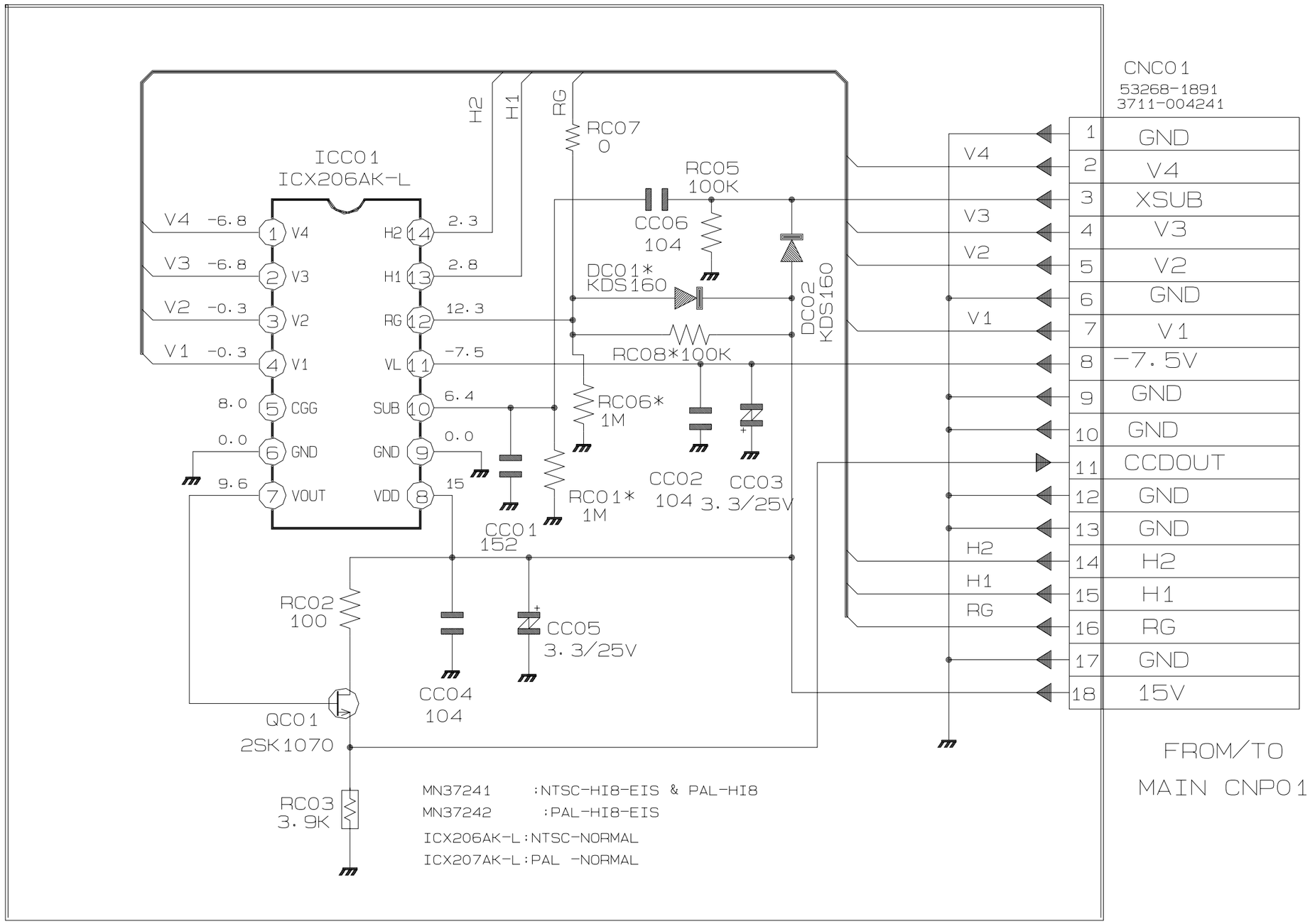
10-7 Camera (Main)



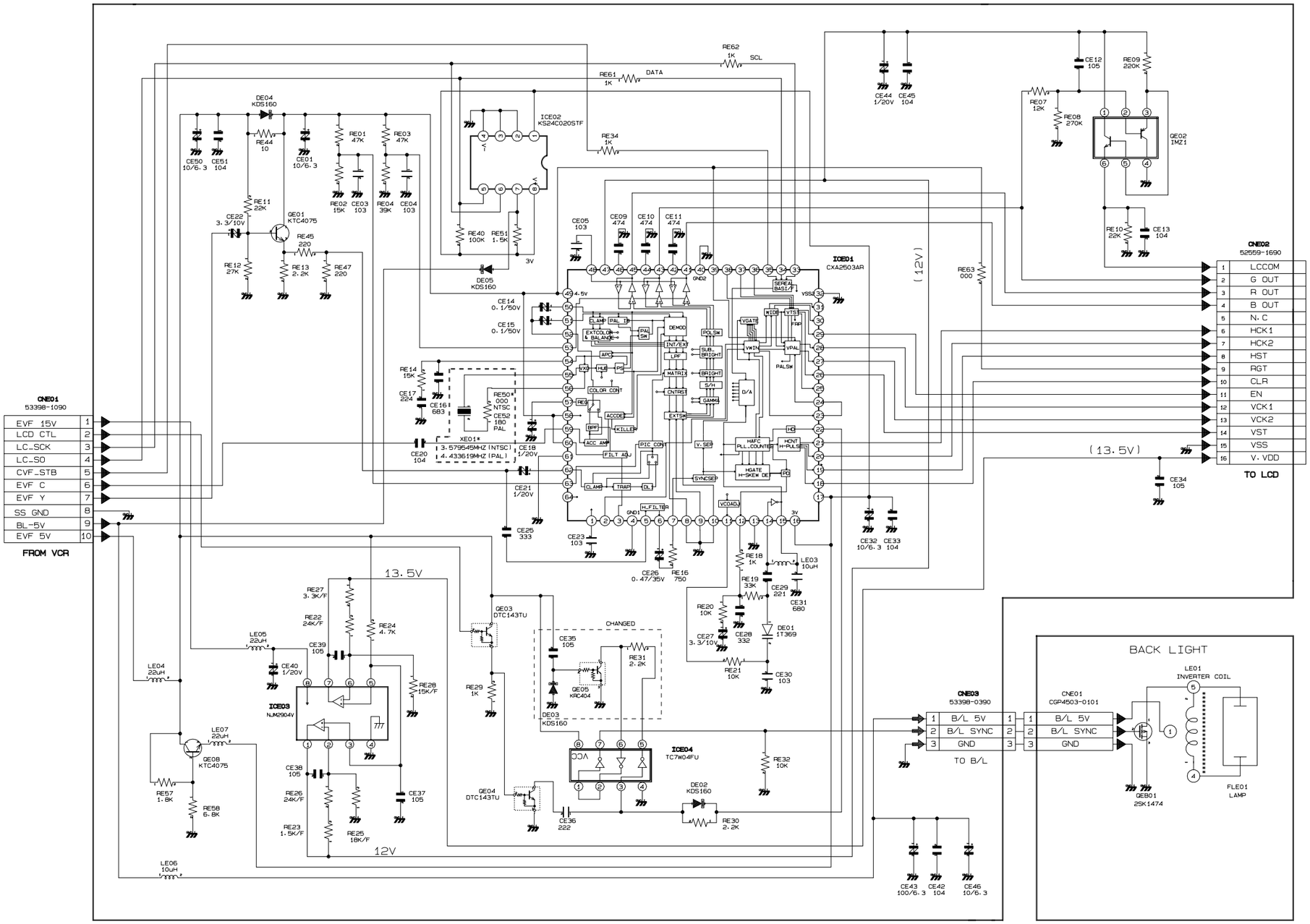
10-8 Rear


SLOW
PS771*
2A/125V(R452-002)
BT772
BATTERY +
BT771
BATTERY -
FROM/TO
BATTERY
D771
RL203
STAT/STOP
SW772
EVQ-QSU-04W
ZOOM VR
VR771
RK08H1110-50KB
NEW COMPONENT
STBY/LOCK
SW771
MPU10853MLB3-L
SLOW
PS772*
2.5A/125V(R452-02.5)
JA771
DC-JACK
R771
470
R772
470
BT774
LITHIUM +
FROM/TO
LITHIUM-BATT
BT773
LITHIUM -
JA772
HSJ1594-010045
SLEEVE
RING2
TIP
JACK INSERT
RING1
SW
SW:4/5 ON/OFF
AUDIO OUT-R
GND
AUDIO OUR-L
VIDEO
R775
220K
CN771
53268-2491
1 UNREG B+
2 UNREG GND
3 UNREG B+
4 UNREG GND
5 UNREG B+
6 UNREG GND
7 NC
8 ZOOM LEVEL
9 VIDEO OUT
10 LITHIUM BATT
11 A/V GND
12 START/STOP
13 AUDIO OUT-L
14 STBY/LOCK
15 AUDIO OUT-R
16 EVER 3V
17 CAM POWER S/W
18 VCR POWER S/W
19 KEY IN 2
20 KEY IN 3
21 KEY IN 0
22 LIGHT DETECTOR
23 PWR OFF DET
24 KEY IN 1
S3-PJ CONNECTOR
POWER LED
FROM/TO
MAIN(CN601)

10-9 CCD


ICC01
ICX206AK-L
V4 -6.8 1 V4
V3 -6.8 2 V3
V2 -0.3 3 V2
V1 -0.3 4 V1
8.0 5 CGG
0.0 6 GND
9.6 7 VOUT
H2 14 2.3
H1 13 2.8
RG 12 12.3
VL 11 -7.5
SUB 10 6.4
GND 9 0.0
VDD 8 15
RC07 0
RC05 100K
CC06 104
DC01* KDS160
DC02 KDS160
RC08*100K
RC06* 1M
RC01* 1M
CC01 152
CC02 104
CC03 3.3/25V
RC02 100
CC04 104
CC05 3.3/25V
QC01 2SK1070
RC03 3.9K
MN37241 :NTSC-HI8-EIS & PAL-HI8
MN37242 :PAL-HI8-EIS
ICX206AK-L:NTSC-NORMAL
ICX207AK-L:PAL -NORMAL
CNC01
53268-1891
3711-004241
1 GND
2 V4
3 XSUB
4 V3
5 V2
6 GND
7 V1
8 -7.5V
9 GND
10 GND
11 CCDOUT
12 GND
13 GND
14 H2
15 H1
16 RG
17 GND
18 15V
FROM/TO
MAIN CNP01

10-10 CVF


CNE01
53398-1090
EVF 15V
LCD CTL
LC_SCK
LC_SO
CVF_STB
EVF C
EVF Y
SS GND
BL-5V
EVF 5V
FROM VCR
ICE01
CXA2503AR
ICE02
KS24C020STF
ICE03
NJM2904V
ICE04
TC7W04FU
CNE02
52559-1690
LCCOM
G OUT
R OUT
B OUT
N.C
HCK1
HCK2
HST
RGT
CLR
EN
VCK1
VCK2
VST
VSS
V.VDD
TO LCD
CNE03
53398-0390
B/L 5V
B/L SYNC
GND
TO B/L
CNE01
CGP4503-0101
BACK LIGHT
LE01
INVERTER COIL
FLE01
LAMP
QE801
2SK1474
(12V)
(13.5V)
13.5V
12V
3V
4.5V
CHANGED
3.579545MHZ (NTSC)
4.433619MHZ (PAL)

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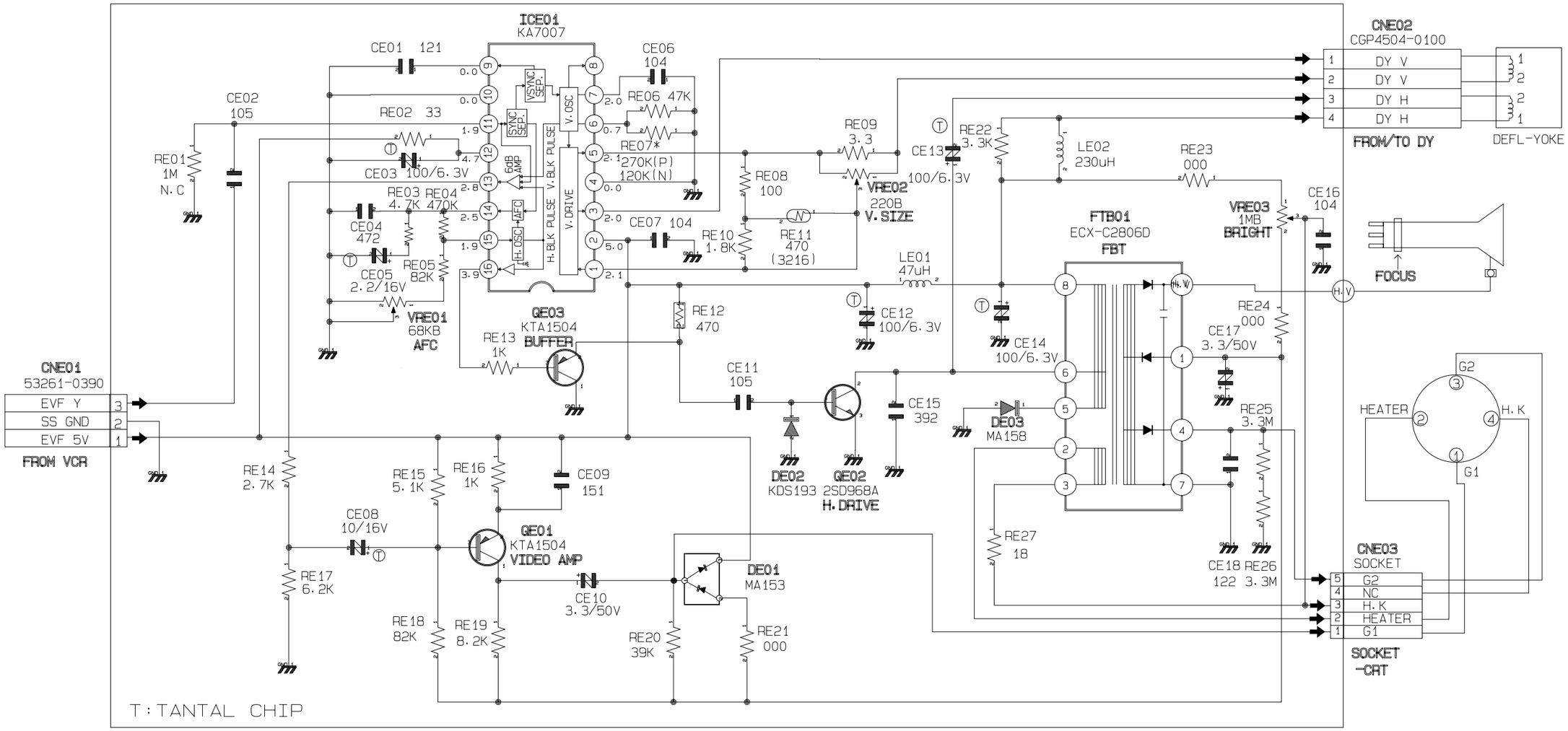
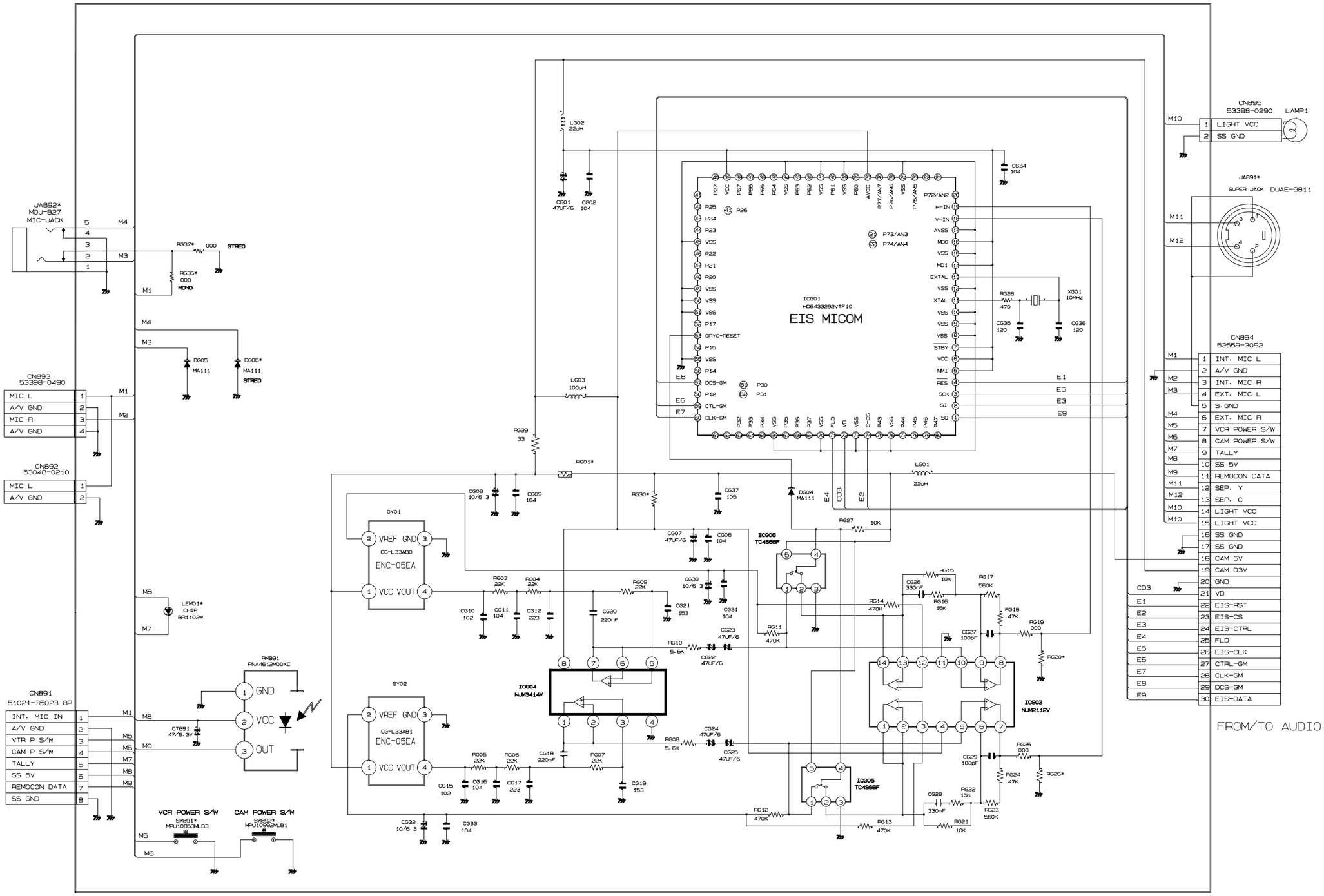
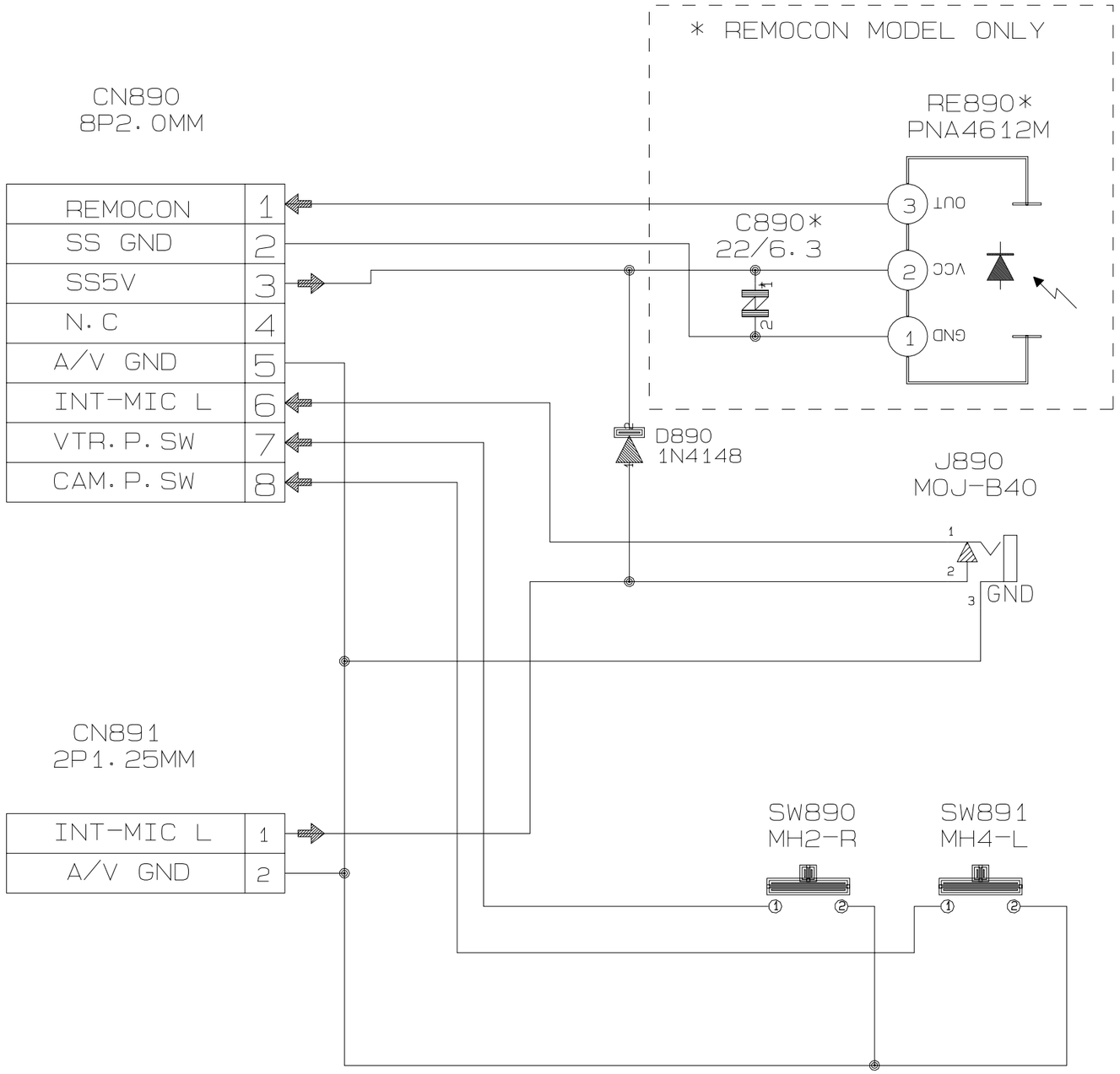
10-11 EVF



10-12 Front with EIS

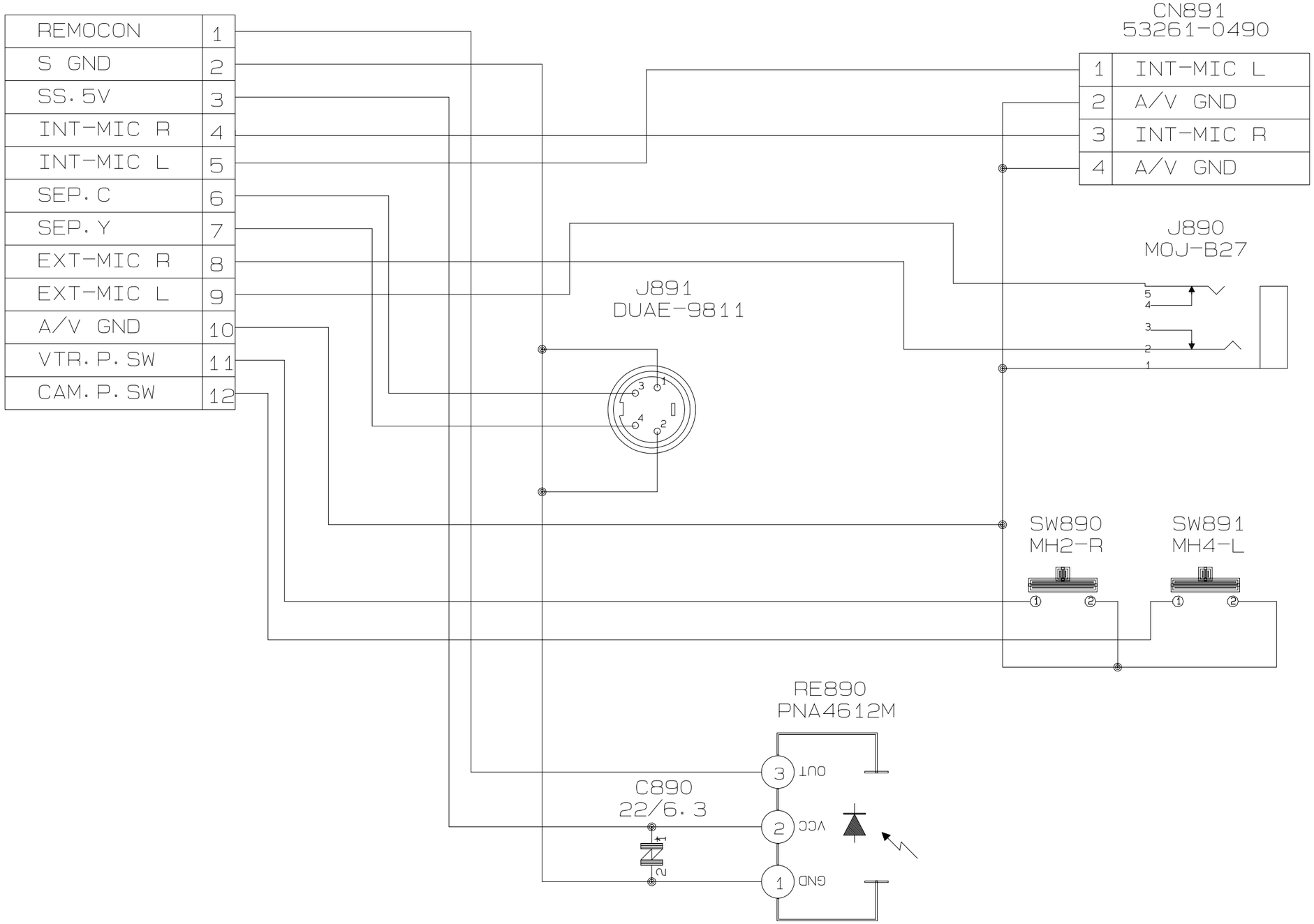
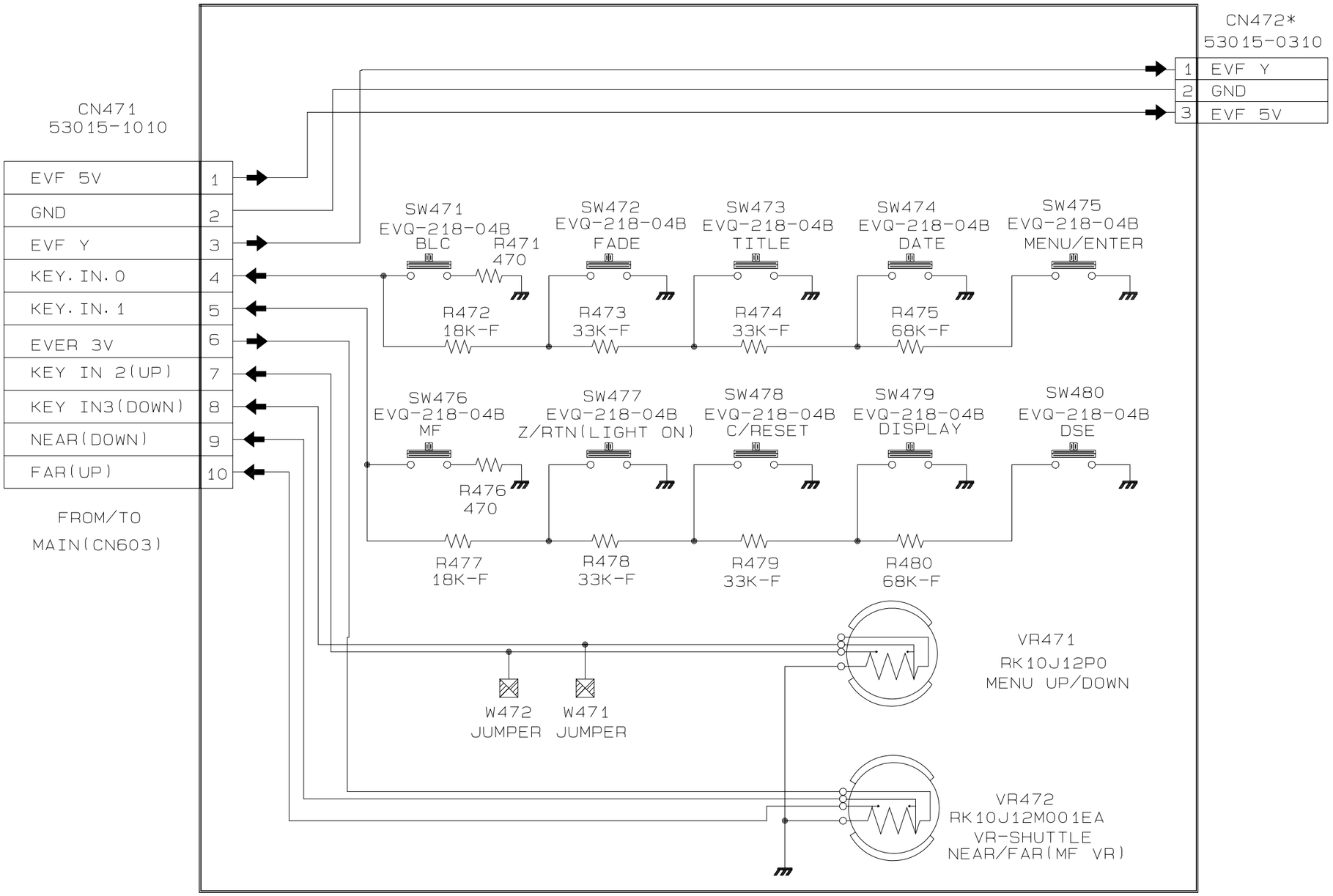


10-13 Front without EIS (Mono)



10. Schematic Diagrams 3/27/95 10:04 AM Page 15

10-14 Front without EIS (Stereo)



10-15 FUNCTION